

User Guide

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Wireless N300 ADSL2+ High Power Modem Router

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Contents

Chapter 1 Get to Know Your Router	1
1.1 What it does	1
1.2 Product Features	1
1.3 Package Contents	
Chapter 2 Hardware Install	
2.1 LED Indicators, Buttons and Interfaces	
2.2 Install the Device	
Chapter 3 Quick Internet Setup	
3.1 Log in to Web Manager	
3.2 Internet Setup	
3.2.1 ADSL Mode	
3.2.2 Ethernet Mode	
3.2.3 Test Internet Connectivity	
Chapter 4 Advanced Settings	
4.1 Device Info	
4.1.1 Summary	
4.1.2 WAN	
4.1.3 Statistics	
4.1.4 Route	
4.1.5 ARP	
4.1.6 DHCP	
4.2 Advanced Setup	
4.2.1 Layer2 Interface	
4.2.2 WAN Service	
4.2.3 LAN	
4.2.4 NAT	
4.2.5 Security	
4.2.6 Parental Control	
4.2.7 Bandwidth Control	
4.2.8 Routing	
4.2.9 DNS	
4.2.10 DSL	
4.2.11 UPnP	
4.2.12 Print Server	
4.2.13 Storage Service	
4.2.14 Interface Grouping	
4.2.15 IP Tunnel	
4.2.16 Certificate	
4.2.17 Multicast	
4.2.18 IPTV	
4.3 Wireless	
4.3.1 Basic	
4.3.2 Security	
4.3.3 MAC Filter	



4.3.4 Wireless Bridge	
4.3.5 Station Info	
4.4 Diagnostics	
4.4.1 Diagnostics	
4.4.2 Ping test	
4.5 Management	
4.5.1 Settings	
4.5.2 System Log	
4.5.3 SNMP Agent	
4.5.4 TR-069 Client	
4.5.5 Internet Time	
4.5.6 Access Control	
4.5.7 Update Firmware	
4.5.8 Reboot	
Appendix 1 Configure Your PC	
Windows 8	
Windows 7	
Windows XP	
MAC	
Appendix 2 Join Your Wireless Network	
Windows 8	
Windows 7	
Windows XP	
MAC	
iPhone/iPad	
Appendix 3 FAQs	
Appendix 4 VPI/VCI List	
Appendix 5 Regulatory Compliance Information	

Chapter 1 Get to Know Your Router

1.1 What it does

The Wireless N300 ADSL2+ High Power Modem Router provides you with an easy and secure way to set up a wireless home network with fast access to the Internet over a high-speed digital subscriber line (DSL). Complete with a built-in ADSL modem, it is compatible with all major ADSL Internet service providers. It offers wireless speeds of up to 300Mbps needed for demanding applications, such as large file transfers, streaming HD video, and multiplayer gaming. The unit comes with a wide range of premium features and applications such as IPv6, SNMP, Multicast, IP tunnel, ready share USB, IPTV service and parental controls, etc. Plus, with the router, you can access the Internet via the ATM interface or Ethernet interface.

1.2 Product Features

Wireless N speeds up to 300 Mbps for streaming HD videos and online gaming in addition to basic Internet applications All-in-one device combines a built-in ADSL2+ modem, wired router, wireless router and switch Sharable USB lets you access and share files on an attached USB hard drive Sharable Printer lets you print from your Windows computer to a connected USB printer Advanced QoS helps prioritize media streaming and gaming applications for best entertainment experience Parental Control keeps your kids Internet experience safe using flexible and customizable filter settings One-touch WPS ensures a quick and secure network connection WEP and WPA/WPA2 are supported for advanced encryptions Compatibility: Works with all major ADSL Internet service providers (ISPs); backward compatible with 802.11b/g WiFi devices Interchangeable LAN/WAN ports to schedule the Ethernet port to function either as a LAN or a WAN port Interchangeable LAN/IPTV to schedule the Ethernet port to function either as a LAN or an IPTV port Optional Ethernet and ADSL Uplinks: Access the Internet via ADSL2+ Broadband Internet Service or an interchangeable LAN/WAN RJ45 port Multiple Internet Connection Types: Bridging, PPPoE, IPoE, PPPoA, IPoA, dynamic IP and static IP **IPTV Service** lets your surf the Internet while watching online TV 6000V lightning—proof design fits into lightning-intensive environment Strong driving capability up to 6.5Km transmission distance



High ADSL speed up to 24Mbps downstream 1Mbps upstream

Built-in firewall prevents hacker attacks

Channel auto-select for optimum performance

FDM technology enables telephoning, faxing and surfing activities to proceed simultaneously without mutual interference

Other Advanced Features: IPv6, DDNS, virtual server, DMZ, port triggering, IP filter, MAC filter and UPnP, etc.

Tenda Setup Wizard for easy and fast installation and configuration

Tenda Green: Use hardware Power On/Off and software WiFi On/Off buttons to turn on and off power and WiFi to save energy when not in use

1.3 Package Contents

Your box should contain the following items:

- Wireless N300 ADSL2+ High Power Modem Router
- Telephone Line
- Ethernet Cable
- ADSL Splitter
- Install Guide
- Power Adapter
- ➢ Resource CD

If any of the parts are incorrect, missing, or damaged, keep the carton, including the original packing materials and contact the dealer for immediate replacement.



Chapter 2 Hardware Install

If you have not set up your new router using the Install Guide that comes in the box, this chapter walks you through the hardware install. To set up your Internet connection, see <u>Chapter 3 Quick Internet Setup</u>.

2.1 LED Indicators, Buttons and Interfaces

Front Panel



LED	Status	Description
DW/D	Solid	Power is supplied to the device.
PWK	Off	Power is not supplied to the device.
SVS	Blinking	System is functioning correctly.
515	Solid/Off	System is functioning incorrectly.
	Blinking	Transmitting data via wireless
WLAN	Off	Wireless is disabled.
	Solid	Wireless is enabled.
	Slow Blinking	Physical connection failure.
DSL	Fast Blinking	Synchronizing
	Solid	ADSL connection is established.



4/iTV	Off	No connection established
3/2	Blinking	Transmitting data
1/WAN	Solid	Connection is established.
	Solid	Client connected successfully.
WPS	Blinking	WPS LED starts blinking if you press the WPS button on the device or interface.
	Off	No wireless clients are connected. WPS LED turns off after blinking for 2 minutes.
LICD	Solid	Connection is successfully established on the USB port.
USB	Off	Connection is not established on the USB port.
	Solid	Current client is connecting to the Internet; no data is transmitted via the Internet.
INTERNET	Blinking	Current client is connecting to the Internet; data is transmitted via the Internet.
	Off	Current Internet client is not connecting to the Internet.

Back Panel



Button & Interface	Description
DSL	For connecting the router to the Internet via a phone cable provided by your ISP.
1/WAN	LAN port or WAN port. When you access the Internet via the DSL, this port works as a LAN port which can be used to connect to a PC, switch, or a router; when you access the Internet via an Ethernet cable from your ISP directly, this port works as a WAN port. Note: It works as a LAN port by default.
2/3	LAN port, used to cable the device to the local network devices such as computers.
4/iTV	LAN port or IPTV port. When IPTV feature is disabled, it works as a LAN port which can be used to connect to a PC, switch or a router; when IPTV feature is enabled, it works as an IPTV port, and it can only be connected to a set-top box. Note : IPTV feature is disabled by default.
USB	Used to connect a USB device, such as a 3G USB modem, USB print server or storage service.
RST/WPS	Press it for 1-3 seconds to enable WPS-PBC feature; Press it for about 10 seconds to restore all configurations to factory defaults.

Tenda

DC	Used to connect to the power adapter, which is included in the package.
ON/OFF	Power switch to turn the router on or off.

2.2 Install the Device



- ① Connect the included power adapter to your router and turn on the router.
- 2 Connect your computer to your router.
- (3) Connect your router to the Internet. Choose **ADSL Mode** or **ETH Mode** according to your actual Internet service type.

	With a telephone	Simply connect the DSL line to the DSL port of your router.	
		Use the splitter as a medium:	
		1) Connect the DSL line from the Internet side to the LINE port of	
ADSL Mode		the splitter;	
(Phone cable access)	Without a telephone	2) Connect the telephone with a phone cable to the PHONE port of	
		the splitter;	
		3) Connect the MODEM port of the splitter and DSL port of your	
		router via another phone cable.	
ETH Mada	Do not go to Step 3 (connect the Ethernet cable to the LAN/WAN port) until you finish the	
	Primary Setup of Internet connection type on the Web Management Homepage, i.e., finish		
(Ethernet cable access)	settings in Ethernet Mode in Chapter 3 Quick Internet Setup >3.2 Internet Setup.		



Chapter 3 Quick Internet Setup

This chapter instructs you to quickly set up your Internet connection.

3.1 Log in to Web Manager

1. Set your PC to Obtain an IP address automatically. For more information, see Appendix 1 Configure Your PC.

2. Launch a web browser and enter 192.168.1.1 to display the login window.

Login			
Username:			(Default: admin)
Password:			(Default: admin)
	Login	Cancel	

3. Enter admin in both the Login Username and Password fields if you access the router for the first time and then click

Login to enter the home page.

襸 Tip

If you change the login username and password and forget them, press the RST/WPS button on the device for about 10 seconds to reset the router, and then enter the home page with the default username and password "admin".

3.2 Internet Setup

3.2.1 ADSL Mode

- 1. Link Type: Select ADSL.
- 2. Select your country.
- 3. Select your ISP.
- 4. VPI/VCI fields will be populated automatically if you select a correct country and ISP.
- 5. Select your Connection Type, and fill the relevant Internet information.
- 6. Secure your wireless network. (Strongly Recommended)
- 7. Click **OK** to apply your configurations.



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		191 191 191 191 191 191 191 191 191 191
U		onnected
Connection Status	Connected	
Primary Setup		
Link Type	ADSL O ETH	
Country	United States	
ISP	BellSouth	
VPI/VCI	VPI 8 (0-255) VCI 35 (3	2-65535)
Connection Type	PPPoE	
User Name	Jack,M	
Password	*****	Show Key
Wireless Setup		
Wireless Enable	V	
Wireless SSID	Tenda_AADDC0 (U	p to 32 ASCII)
Wireless Key	*******	Show Key
	Wireless Key is made up of 8-63 ASI	CII or 64 hex characters.

Depending on the type of connection, you are prompted to enter your ISP settings, as shown in the following table:

Conne	ection Type	Description
PPPoE/PPPoA		Enter the ISP user name and password. If you cannot locate this information, ask
		your ISP to provide it.
	Dynamic IP	No entries are needed.
IPoE Static IP	Enter the assigned IP address, subnet mask, and the IP address of your ISP's primary	
	Static IP	DNS server. This information should have been provided to you by your ISP. If a
		secondary DNS server address is available, enter it also.
		Enter the assigned IP address, subnet mask, and the IP address of your ISP's primary
IPoA	Static IP	DNS server. This information should have been provided to you by your ISP. If a
		secondary DNS server address is available, enter it also.



	When Bridge mode is enabled, this device works as a modem. If you wish to initiate
Bridge	a dialup directly from your PC for Internet access or enjoy the entire Internet
	connection by yourself (instead of sharing it with others), you can select Bridge.

▲_{Note}

If your country and/or your ISP are not covered on the home page, select **Other** country and ISP, and set VCI and VPI value manually. If you cannot locate this information, refer to <u>Appendix 4 VPI/VCI List</u> or ask your ISP to provide it. For more information, see <u>To Set up the ATM interface</u> and <u>To Set up WAN Service for ATM Interface</u>.

3.2.2 Ethernet Mode

- 1. Link Type: Select ETH.
- 2. Select your **Connection Type** according to your accessing method.
- 3. Secure your wireless network. (Strongly Recommended)
- 4. Click **OK** to apply your configurations.

▲_{Note}

After saving the Ethernet mode settings, you will see the following prompt:

Connection Status Disconnected

There is no Ethernet cable inserting to WAN port, and please insert Ethernet cable to Wan/Lan1 port

And then you need to connect the Ethernet cable from the Internet side provided by your ISP to the LAN/WAN port, i.e.

to finish Step 3 of Ethernet Mode in Chapter 2 Hardware Install-> 2.2 Install the Device.



100	The second s	Advance
Connection Status	Connected	IPTV
Primary Setup		
Link Type	⊖ ADSL ⊙ ETH	
Connection Type	PPPoE V	
User Name	Jack.L	
Password	••••• Show Key	
Wireless Setup		
Wireless Enable		
Wireless SSID	Tenda_DDCCD0 (Up to 32 ASCII)	
Wireless Key	••••• Show Key	

Depending on the type of connection, you are prompted to enter your ISP settings, as shown in the following table:

Connec	tion Type	ISP Information
PP	PPoE	No entries are needed.
		Enter the assigned IP address, subnet mask, and the IP address of your ISP's primary
IDoE	Static IP	DNS server provided by your ISP. If a secondary DNS server address is available,
II OL		enter it also.
	Dynamic IP	Enter the user name and password provided by your ISP.

3.2.3 Test Internet Connectivity

If Connection Status shows Connected shown as below, you access the Internet now.

Connected

Connection Status

Try to launch a web browser and enter <u>www.tendacn.com</u>. If the webpage displays properly, you are connected to the Internet.



Chapter 4 Advanced Settings

If you prefer configuring your router for unique situations, consult this chapter to know advanced features.

Click **Advanced** on the home page to enter the screen below.

Tena	a						
Device Info	This information reflects th	e current status of your WAN connection					
Advanced Setup Wireless	Internet Connection Statu	s Connected					
Diagnostics	Internet Connection Type	PPPoE					
Management	WAN IP	0.0.0.0					
	WAN MAC	C8:3A:35:DD:CC:D3					
	Subnet Mask	255,255,255,255					
	Gateway	0.0.0.0					
	Primary DNS Server	172.16.100.205					
	Secondary DNS Server	211.136.192.6					
	Connection Duration 0D 0H 29M 575						
	xDSL status						
	Mode:						
	Traffic Type:						
	Status:	Disabled					
	Link Power State:						
		Jownstream Upstream					
	Line Coding(Trellis):						
	SNR Margin (0.1 dB):						
	Atlenuation (0.1 dB):						
	Output Power (0.1 dBm)						



4.1 Device Info

4.1.1 Summary

Here you can view system information and current status of your WAN connection as seen in the screenshot.

	This is formation of the	to second states of the second					
Device Info	This information reflects t	The current status of your way connection					
Summary WAN	Internet Connection State	us Connected					
Statistics	Internet Connection Type	PPPoE					
Route	WAN IP	0.0.0.0					
DHCP	WAN MAC	C8:3A:35:DD:CC:D3					
Advanced Setup	Subnet Mask	255.255.255.255					
Wireless	Gateway	0.0.0.0					
Diagnostics	Printary DNS Server	172,16.100.205					
Management	Secondary DNS Server	211.136.192.6					
	Connection Duration	DD 0R 31M 245					
	xDSL status						
	Mode:						
	Traffic Type:						
	Status:	Disabled					
	Link Power State:						
		Downstream Upstream					
	Line Coding(Trellis):	· · · · · · · · · · · · · · · · · · ·					
	SNR Margin (0,1 dB):						
	Attenuation (0.1 dB):						
	Output Power (0.1 dBm):						



4.1.2 WAN

Here you can view the WAN Information including Interface, Description, Type, IGMP, NAT, Firewall, Status, IPv4

Address, etc.

end	3											
vice Info						١	VAN Info					
Summary	Interface	Description	Туре	VlanMuxId	IPv6	Igmp	MLD	NAT	Firewall	Status	IPv4 Address	I
AN	eth0.1	ipoe_eth3	IPoE	Disabled	Disabled	Disabled	Disabled	Enabled	Enabled	Connected	192.168.100.58	
itatistics												_
ute												
Р												
ICP												
nced Setup												
less												
inostics												
nagement												

4.1.3 Statistics

Here you can view the packets received and transmitted on LAN and WAN ports.

Statistics--LAN: Displays the packets received and transmitted on the LAN ports as seen in the screenshot below.

Statistics	-LAN							
Interface	Received				Transmitted			
	Bytes	Pkts	Ens	Drops	Bytes	Pkts	Errs	Drops
LAN2	ū	Ú.	Ø	ò	0	0	0	0
LAN3	1012247	7035	0	0	1837244	4144	0	0
4/(TV	a	0	٥	Q	0	Ø	0	0
2.46Hz	0	0	Ō	0	8787	81	0	0
		-						
Reset State	istics							
	Statistics Interface LAN2 LAN3 4/TTV 2.4GHz Reset Stat	Statistics LAN Interface 1 Bytes LAN2 0 LAN3 1012247 4/TTV 0 2.4GH{z 0	Statistics LAN Interface Recei Bytes Pkts LAN2 0 0 LAN3 1012247 7035 4/TTV 0 0 2.4GHz 0 0 Reset Statistics	Interface Received Bytes Pkts Errs LAN2 0 0 0 LAN3 1012247 7035 0 4//TV 0 0 0 0 2.4GHz 0 0 0 0	Interface Received Bytes Pkts Errs Drops LAN2 0 0 0 0 LAN3 1012247 7035 0 0 4/TIV 0 0 0 0 0 2.4GI{z 0 0 0 0 0	Interface Received Tr Bytes Pkts Errs Drops Bytes LAN2 0 0 0 0 0 LAN3 1012247 7035 0 0 1837244 4/TTV 0 0 0 0 8787 Reset Statistics Reset Statistics Reset Statistics Reset Statistics Reset Statistics	Interface Received Transminiation Bytes Pkts Errs Drops Bytes Pkts LAN2 0 0 0 0 0 0 LAN2 0 0 0 0 0 0 0 LAN3 1012247 7035 0 0 1837244 4144 4//TV 0 0 0 0 0 0 2.4GHz 0 0 0 0 8787 81	Interface Received Transmitted Bytes Pkts Errs Drops Bytes Pkts Errs LAN2 0 0 0 0 0 0 0 0 LAN3 1012247 7035 0 0 1837244 4144 0 4/rTV 0 0 0 0 0 0 0 0 2.461{z 0 0 0 0 8787 81 0

Statistics--WAN: Displays the packets received and transmitted on the WAN port as seen in the screenshot below.



Tend	a
Device Info	Statistics WAN
Summary	InterfaceDescription Received Transmitted
WAN	Bytes PktsErrsDrops Bytes PktsErrsDrops
Of a Galian	eth0.1 ipoe_eth3 12572578445 0 0 4521382430 0 0
LAN	
WAN	Reset Statistics
XDSL	
Route	
ARP	

Statistics-xDSL: Display the packets received and transmitted on the DSL port.

Tend	3	
Device Info	Statistics xDSL	
Summary	Mada	
WAN	mode:	
Statistics	Traffic Type:	
LAN	Status:	Disabled
WAN	Link Power State:	
xDSL		
Route	Downstre	amUnstream
ARP		ani opsireani
DHCP	Line Coding(Trellis):	
Advanced Setup	SNR Margin (0.1 dB):	
Wireless	Attenuation (0.1 dB):	
Diagnostics	Output Power (0.1 dBm):	
Management	Attainable Rate (Kbps):	
	Rate (Kbps):	



4.1.4 Route

Here you can view the route table as seen in the screenshot:

Device Info	Device Info Route.										
Summary WAN Statistics	Hags: U - up, I - D - dynamic (redi	reject, G - gatev rect), M - modifi	vay, H - host, R - r ied (redirect).	einstat	e						
Route	Destination	Gateway	Subnet Mask	Flag	Metric	Service	Interfac				
Route ARP	Destination 172,16,100.205	Gateway 192.168.100.1	Subnet Mask 255.255.255.255	Flag	Metric 0	Service Tpoe_eth3	Interfact eth0.1				
Route ARP DHCP	Destination 172,16.100.205 192,168.100.0	Gateway 192.168.100.1 0.0.0.0	Subnet Mask 255.255.255.255 255.255.255.0	Flag UGH U	Metric 0	Service Tpoe_eth3 Tpoe_eth3	Interface eth0.1 eth0.1				
Route ARP DHCP dvanced Setup	Destination 172,16,100.205 192,168,100.0 192,168,100.0	Gateway 192.168.100.1 0.0.0.0 192.168.100.1	Subnet Mask 255.255.255.255 255.255.255.0 255.255.255,0	Flag UGH U UG	Metric 0 0 1	Service ipoe_eth3 ipoe_eth3 ipoe_eth3	eth0.1 eth0.1 eth0.1				
Route ARP DHCP Vireless	Destination 172,16.100.205 192,168.100.0 192,168.100.0 192,168.1,0	Gateway 192.168.100.1 0.0.0.0 192.168.100,1 0.0.0.0	Subnet Mask 255.255.255.255 255.255.255.0 255.255.255,0 255.255.255.0	Flag UGH UG UG U	Metric 0 0 1 0	Service ipoe_eth3 ipoe_eth3 ipoe_eth3	ethū.1 ethū.1 ethū.1 ethū.1 brū				

4.1.5 ARP

Here you can view the IP and MAC addresses of the PCs that attach to the device either via a wired or wireless connection as seen in the screenshot:

Device Info	Device Info	ARP		
Summary	IP address	Flags	HW Address	Device
WAN	192.168.100.1	Complete	e4:68:a3:93:00:4b	eth0,1
Statistics	192.168.1.2	Complete	44:37:e6:36:fb:25	br0
ARP DHCP Advanced Setup				



4.1.6 DHCP

Here you can view the DHCP leases, including IP and MAC addresses of the PCs, hostnames and remaining lease time

as seen in the screenshot:

Device Info	Device Info DHCP Leases									
WAN	Hostname	MAC Address	IP Address	Expires In						
Statistics	VitaPC	44:37:e6:36:fb:25	192.168.1,2	23 hours, 48 minutes, 25 seconds						
ARP	idrac-3ZT463X	78:2b:cb:47:aa:26	192.168.1.3	46 minutes, 19 seconds						
DHCP										
Advanced Setup Wireless										
Diagnostics										
Management										

4.2 Advanced Setup

4.2.1 Layer2 Interface

Click Advanced Setup > Layer2 Interface to enter the Layer2 Interface screen.

Tend	a											Hume Page	Ð
Device Info						DSL ATM In	terface Configurati	on					
Advanced Setup						Choose Add, or Remov	to configure DSL AT	M interfaces.					
ATM Interface ETH Interface	Interface	Vpi Vci	DSL Latency	Category	Peak Cell Rate (cells/s)	Sustainable Cell Rate (cells/s)	Max Burst Size (bytes)	Min Cell Rate (cells/s)	Link Type	Conn Mode	IP QoS	MPAAL Prec/Alg/Wght	Remove
WAN Service LAN NAT Security						A	id Remove						

This router provides two Layer2 Interfaces:

- ATM Interface for ADSL broadband Internet service. (By default, system applies the ATM Interface [ADSL uplink].)
- ETH Interface for connecting to the Internet via an Ethernet cable.
- If you directly connect to the ADSL line via a phone cable, first refer to <u>To Set up the ATM interface</u> and then skip to <u>To Set up WAN Service for ATM Interface</u>.
- If you connect to the Internet via a fiber/cable modem using an Ethernet cable, first refer to To Set up the ETH interface and then skip to To Set up WAN Service for ETH Interface.



To set up the ATM interface

Step 1: Select ATM Interface and click Add to configure it.

Tend	а											Forme Rage	E
Device Info Advanced Setup						DSL ATM In Choose Add, or Remov	terface Configurati e to configure DSL AT	on M interfaces.					
ATM Interface	Interface 1	Vpi Vci	DSL Latency	Category	Peak Cell Rate (cells/s)	Sustainable Cell Rate (cells/s)	Max Burst Size (bytes)	Min Cell Rate (cells/s)	Link Type	Conn Mode	IP QoS	MPAAL Prec/Alg/Wght	Remove
WAN Service LAN NAT Security						A	dd Remove						

Step 2: Enter the VPI and VCI values. Select a DSL Link Type (Internet connection type): EoA, PPPoA or IPoA. Leave

other options unchanged from factory defaults. Click Apply/Save.

Tend	a		
101 ICA			
Device Info	ATM PVC Configuration		
Advanced Setup			
Layer2 Interface	This screen allows you to confi	place a AT5) PVL	
ATM Interface	- CT - 2 - 1		
ETH Interface	VPI: 0 [0+255]		
WAN Service	VCI: 35 (32-65535)		
LAN			
NAT	Select DSL Latency.		
Security	Dewn((Fast)		
Parental Control	Pateri (Interleaved)		
Bandwidth Control			
Routing	Select DSL LINK Type (EoA) is to	r PPPoE, IPoE, and Bridge.)	
DNS	③ E64		
DSL	O REPORT		
UPhP	O IPpA		
Print Server			
Storage Service	Enclosulation Mode:	LLC/SNAP-BRIDGING	
Interface Grouping	for a descent of the second		
IP Tunnel	Senate Calenna	URR Without BCR	
Certificate	on vice emount.		
Multicast	Minimum Call Online-	(resided (.)) (reflective on charmen))	
IPTV	Polymani Cell Kage.		
Wireless	Caller Carbon to Constant of	David Descendance on the Definite Division	
Diagnostics	Seed. Solieouler for Queues of	cons tuerenerce la pre-praterir direne	
Management	 Melábiliszi konura kodilu 		
	4.2 Weighted Pair Quewing		
	Default Queue Weight:	1 (1-60)	
	Default Queue Precedence:	[3] [1-8] (lower value, higher priority).	
	VC WRR Weight:	1 (1-63)	
	VC Precedence:	8 [1-8] (lower value, higher priority)	
	Note: VC schedaling will be SP	among unequal precedence VCs and WRR among equal precedence VCs.	
	For single queue VC, the defau	It gueue precedence and weight will be used for arbitration.	
	For multi-queue VE, its VC pres	bedence and weight with be used for arbitration.	
			Back Apply/Save

Û



Go to To Set up WAN Service for ATM Interface to configure the WAN service for Internet access.

If you are unsure about the VPI/VCI parameters, see Appendix 4 VPI/VCI List, or ask your ISP to provide it.

To set up the ETH interface

襸 Tip

Step 1: Select ETH Interface and click Add.

Device Info	ETH WAN Interface Configuration
Advanced Setup	Change Add as Dependents to configure ETH WAM interface
Layer2 Interface	Choose Add, or Remove to Configure ETH wAN interface
ATM Interface	Anow bite ETH as layer 2 wan literate.
ETH Interface	Interface/(Name) Connection Mode Remove
WAN Service	
LAN	Add Remove
NAT	
Security	

Step 2: Select eth0/eth0 in the box to function as a WAN port. Only one LAN port can be configured as the WAN port at

Device Info ETH WAN Configuration Advanced Setup This screen allows you to configure a ETH port ... Layer2 Interface ATM Interface If below option is blank, go to the Interface Grouping screen and remove the eth0 you have added. ETH Interface Select a ETH port: WAN Service eth0/eth0 🗸 LAN NAT Back Apply/Save Security **Parental Control**

a time. Click Apply/Save to take the settings into effect.







Go to To Set up WAN Service for ETH Interface to configure the WAN service for Internet access.

4.2.2 WAN Service

This router provides two WAN services:

- WAN Service for ATM Interface (ADSL uplink)
- WAN Service for ETH Interface (Ethernet uplink)

To Set up WAN Service for ATM Interface

EoA (PPPoE, IPoE and Bridge)

If you configured the **ATM Interface** (ADSL uplink) and select **EoA** as the DSL link type, follow below steps to configure the WAN service:

PPPoE

IPv4 Only

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Ten	da	
Device Info	~	Wide Area Network (WAN) Service Setup
Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service		Choose Add, Remove or Edit to configure a WAN service over a selected interface. Interface Description Type Vian802.1p VianMuxId Igmp NAT Firewall IPv6 Mid Remove Edit
LAN NAT Security		Add Remove

Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Select PPP over Ethernet (PPPoE). Edit the Enter Service Description field which is optional. Suggest you

keep	the default.	Select a	network	protocol:	IPv4 O) nly. (Click I	Next.
1				1		•		

Tenda		
Device Info	WAN Service Configuration	
Advanced Setup Layer2 Interface ATM Interface ETH Interface	Select WAN service type: PPP over Ethernet (PPPoE) IP over Ethernet Bridging	
WAN Service		
LAN	Enter Service Description: pppoe_0_0_35	
NAT	Service Manual Science Service	
Security		
Parental Control Bandwidth Control	For tagged service, enter valid 802.1P Priority and 80 For untagged service, set -1 to both 802.1P Priority a	2.1Q VLAN ID. nd 802.1Q VLAN ID.
Routing	Enter 802, 1P Priority [0-7]:	-1
DNS	Enter 802.1Q VLAN ID [0-4094]:	-1
DSL		
UPnP	No. of the second family	
Print Server	Network Protocal Selection:	
Storage Service	Maxim A state	
Interface Grouping		
IP Tunnel		Back Next
Certificate		Particular Contactor



Step 4: Finish PPP Username and Password and other settings on the figure below. Click Next.

Tenda	
ICALIC	DDD I Icemana and Dacsword
Device Info	
Advanced Setup	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.
Layer2 Interface	
ATM Interface	PPP Username:
ETH Interface	PPP Password:
WAN Service	PBpoF Sanira Nama-
LAN	
NAT	
Security	
Parental Control	MAC Clone: L I Clone MAC
Bandwidth Control	MTU: 1492 (576-1492,default:1492)
Routing	Enable Fullcone NAT
DNS	
DSL	Dial or demand (with idle timeout timer)
VPnP	
Print Server	PPP IP extension
Storage Service	Denable Firewall
Interface Grouping	Use Static IPv4 Address
IP Tunnel	
Certificate	L = Enable MPP Debug Mode
Multicast	Bridge PPPoE Frames Between WAN and Local Ports
IPTV	
Wireless	
Diagnostics	Multicast Proxy
Management	Enable IGMP Multicast Proxy
	Back Next

PPP Username/Password: For logging in to your ISP. If you cannot locate this information, ask your ISP to provide it. **PPPoE Service Name:** Provided by your ISP. Only enter it if instructed by your ISP.

Authentication Method: Used by ISP to authenticate the client that attempts to connect. If you are not sure, consult your ISP or select **AUTO**.

MAC Clone: When you cannot access the Internet after finishing other settings here except this option, consider whether it's the matter of the MAC address of your computer. Clicking **Clone MAC** button copies the MAC address of your computer to the router.

MTU: Keep the default value unless you are sure it is necessary for your ISP connection.

Dial on demand: Connect to ISP only when there is traffic transmission. This saves your broadband Internet service bill.

PPP IP extension: If enabled, all the IP addresses in outgoing packets including management packets on the WAN port

will be changed to the device's WAN IP address. Only change the default settings if necessary.

Enable PPP Debug Mode: Only enable this feature if supported by your ISP.

Bridge PPPoE Frames Between WAN and Local Ports: If enabled, PPPoE dialup frame from LAN side will directly egress the WAN port without modification.

Multicast Proxy: If enabled, the router will use multicast proxy.

Knowledge Expansion

1. **MAC Clone:** Many broadband ISPs restrict access by allowing traffic only from the MAC address of your broadband modem, but some ISPs additionally register the MAC address of your computer when your account is first opened. If so,



only by cloning the MAC address of your computer can you access the Internet through the router.

2. **MTU**: Short for *Maximum Transmission Unit*, the largest physical packet size, measured in bytes, which a network can transmit. Any messages larger than the MTU are divided into smaller packets before being sent. The default MTU is 1492 bytes. For some ISPs, you might need to change the MTU. This is rarely required, and should not be done unless you are sure it is necessary for your ISP connection.

Step 5: To configure the Default Gateway interface, select the interface that you want to configure with the WAN gateway address in **Available Routed WAN Interfaces** box and move it into **Selected Default Gateway Interfaces** box. The default setting is recommended. Then click **Next**.

Tend	а		Harta Net 🧔
Device Info	Routing Default Gateway		
Advanced Setup			
Layer2 Interface			
ATM Interface	Default gateway interface list can i	ive multiple WAN interfaces served as system default gateways but only one will be used i	according to the priority with the first being the higest and the last one the lowest priority if the
ETH Interface	WAN interface is connected. Priorit	order can be changed by removing all and adding them back in again.	
WAN Service			
LAN	Selected Default	Available Routed WAN	
NAT	Gateway Interfaces	Interfaces	
Security			
Parental Control	ppp0.1		
Bandwidth Control			
Routing			
DNS	¥2		
DSL.			
UPnP			
Print Server			
Storage Service			
Interface Grouping			
IP Tunnel			
Certificate			
Multicast			
IPTV		Back Next	
Wireless			

Step 6: To configure the WAN DNS address, click the Select DNS Server Interface from available WAN interfaces option, or select the Use the following Static DNS IP address option and enter the static DNS server IP addresses provided by your ISP. At last, click Next.



Tend	a Ø
Device Info Advanced Scop Layer2 Interface ETH Interface ETH Interface IAN NAT Security Parental Control Bandwidth Control Bandwidth Control Routing DNS DSL UBn0 Print Server Storage Service Janterface Exercise Janterface Exer	
	Back Ned

Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

evice Info	WAN Setup - Summ	ary
vanced Setup ayer2 Interface ATM Interface	Make sure that the set	ttings below
ETH Interface	Connection Type:	PPPoE
WAN Service	NAT:	Enabled
AN	Full Cone NAT:	Disabled
ecurity	Firewall:	Enabled
arental Control	IGMP Multicast:	Disabled
landwidth Control	Quality Of Service:	Enabled
Sung SL PnP rint Server	Click "Apply/Save" to I	have this int

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When the PPPoE connection is successful, you can access the Internet.





IPv4 & IPv6 (Dual Stack)

Step 1: Click Advanced Setup > WAN Service and then click the Add button.

Ten	da	
Device Info	~	Wide Area Network (WAN) Service Setup
Advanced Setup Layer2 Interface ATM Interface ETH Interface		Choose Add, Remove or Edit to configure a WAN service over a selected interface.
WAN Service LAN NAT Security		Add Remove

Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.

Tenda	
Device Info	WAN Service Interface Configuration
Advanced Setup	Select a layer 2 interface for this service
Layer2 Interface	Note: For ATM interface, the descriptor string is (portid voi voi)
ATM Interface	For PTM interface, the descriptor string is (portId high low)
ETH Interface	Where portId=0 → DSL Latency PATH0
WAN Service	portId=1> DSL Latency PATH1
LAN	portId=4> DSL Latency PATH08.1
NAT	low =0> Low PTM Priority not set
Security	low =1> Low PTM Priority set
Parental Control	high =0> High PTM Priority not set
Bandwidth Control	high =1> High PTM Priority set
Routing	
DNS	atm0/(0_0_35) 🗸
DSL	
UPnP	
Print Server	Back Next
Storage Service	

Step 3: Select **PPP over Ethernet (PPPoE)**. Edit the **Enter Service Description** field which is optional. Suggest you keep the default. Select a network protocol: **IPv4&IPv6 (Dual Stack)**. Click **Next**.



Tend	a		
	WAN Service Configuration		
Device Info			
Advanced Setup	Select WAN service type:		
Layer2 Interface	PPP over Ethernet (PPPoE)		
ATM Interface	O IP over Ethernet		
ETH Interface	C Bridging		
WAN Service			
LAN	Enter Service Description: 00000 0 0 35		
NAT	where the free providence is the second second		
Security			
Parental Control	For tagged service, enter valid 802.1P Priority and 802.1Q VL	AN ID.	
Bandwidth Control	For untagged service, set -1 to both 802.1P Priority and 802.	IQ VLAN ID.	
Routing	Enter 802,1P Priority [0-7];	-1	
DNS	Enter 802.1Q VLAN ID [0-4094]:	-1	
DSL			
UPnP			
Print Server	Network Protocal Selection:		
Storage Service			
Interface Grouping			
IP Tunnel		Back	É
Certificate		Francis Donate	ł.

Step 4: Configure PPP Username and Password and other settings on the figure below. Each field with its indication is

mentioned above in IPv4 Only (PPPoE) section. Check Launch Dhcp6c for Prefix Delegation (IAPD). Click Next.

Tend	a
Device Info	PPP Username and Password
Advanced Setup	
Layer2 Interface	PPP usually requires that you have a user name and password to establish your connection, In the boxes below, enter the user name and password that your EPP has provided to you.
ATM Interface	
ETH Interface	PPP Username:
WAN Service	PPP Password:
LAN	PPPoE Service Name:
NAT	Audhentication Method: AUTIO 🗸
Security	
Parental Control	MAC Cones C Clone MAC
Bandwidth Control	NT11/1 1402 (1575.1497.default.1497)
Routing	
DNS	Line Landon (Landon e Hor)
USL	
Dene Contex	Li Dial on demand (with idle timeout timer)
Storane Service	PPP ID extension
Interface Grouping	Enable Firewall
IP Tunnel	Lies Statis Dud Address
Certificate	
Multicast	Li Use Stabic (IVV) Address
1PTV	Enable IPv6 Unnumbered Model
Wireless	Laurch Dhcptic för Address Assignment (TANA)
Diagnostics	Laundh DhopSc for Prefix Delegation (JAPD)
Management	Enable PPP Debug Mode
	Bridge PPPoE Frames Between WAN and Local Ports
	Multicast Prusy
	Enable IGMP Multicast Proxy
	Enable MLD Multicast Proxy
	Back Next



If your ISP is using static DHCPv6, check Launch Dhcp6c for Address Assignment (IANA) also, or configure a static

IP address by checking Use Static IPv6 Address and enter the static IPv6 address.

Step 5: To configure the Default Gateway interface when using IPv6, select the interface that you want to configure with

the WAN gateway address in Selected WAN Interface box. Then click Next.

Tend	а	Home Tage 🕼)
Device Info	Routing Default Gateway		
Advanced Setup			
Layer2 Interface			
ATM Interface	Default gateway interface list can have multiple WAN interface	es served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the low	JWest
ETH Interface	priority if the WAN interface is connected. Priority order can	e changed by removing all and adding them back in again.	
WAN Service		For the desidence	
LAN	Selected Default Available R	puted WAN For IPV4 setting	
NAT	Gateway Interfaces Interfaces		
Security			
Parental Control	ppp0.1		
Bandwidth Control			
Routing	<u>></u>		
DNS	Sec. 1		
DSL			
UPnP			
Print Server			
Storage Service	inter interaction of the product of the second state	For IPv6 setting	
Thereade Grouping	IPVD: Select a preferred wan interface as the system default	ievo gateway.	
Contificato	Selected WAN Interface pppoe_0_0_33/ppp0.1 V		
Multicast			
IPTV		Dock Mave	
		LIGON INGNE	

Step 6: To configure the WAN DNS address, check the **Obtain IPv6 DNS info from a WAN interface** option, or select the **Use the following Static IPv6 DNS address** option to enter the static DNS server IPv6 addresses provided by your ISP. At last, click **Next**.

Tend	3	Ø
Device Info Advanced Setup Layer2 Interface ATM Interface FTH Interface	DNS Server Configuration Salest DNS Server Ditteface from available WAN interfaces DN entire statis DNS server IP DNS Server Interfaces (an' two multiple WAN interfaces served as system dhs server adding them back in speno	Paddwaser for the system. In ATM mode, if only a single PAC with IPAA or static IPAE protocol is conligued, Static DMS server IP addresser must be instand. Is but only one will be used according to the promity with the first bang the loges and the last one the lowest priority if the WAIT inserface is connected. Fromy order can be changed by removing all and
LAN LAN HAT Security Parental Control Bandvidth Control Bandvidth Control Bandvidth Control Bandvidth Control Bandvidth Control Botto UPAP Print Server/ Storage Service Interface Grouping BP Tumel Certificate Halucast	Select DNS Server Lotterfaces Selected DNS Server Interfaces PPP0.7 Use the following Static DNS IP address: Permany DNS server: Secondary DNS server:	For IPv4 setting
IPTV Wirelass Diagnostics Management	IPv6s Salect the configured WAN meshace for IPv6 DNS server information OR emarche Note that extensing a WAN interface for IPv6 DNS server will enable DNDVeC Client on the	staal: IP/s DNS server Addresses at Interface. For IPV6 setting

Û

Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.



Device Info Advanced Setup	WAN Setup - Summ	iary
ATM Interface	mane sore that the bit set	aniga pelon
ETH Interface	Connection Type:	PPPoE
WAN Service	NAT:	Enabled
LAN	Full Cone NAT:	Disabled
Security	Firewall:	Enabled
Parental Control	LGMP Multicast:	Disabled
Bandwidth Control Routing	Quality Of Service:	Enabled
DNS DSL UPnP	Click "Apply/Save" to h	have this int

When the PPPoE connection is successful, you can access the Internet.



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IPv6 Only

Step 1: Click Advanced Setup > WAN Service and then click the Add button.

Ten	da	
Device Info	^	Wide Area Network (WAN) Service Setup
Advanced Setup		Choose Add, Remove or Edit to configure a WAN service over a selected interface.
ATM Interface		Interface Description Type Vlan802.1p VlanMuxId Igmp NAT Firewall IPv6 Mid Remove Edit
WAN Service		
LAN NAT		Add Remove
Security		

Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Select PPP over Ethernet (PPPoE). Edit the Enter Service Description field which is optional. Suggest you

keep the default. Select a network protocol you need: IPv6 Only. Click Next.

Tenda

	WAN Service Configuration		
Device Info	Select WAN service type:		
Advanced Setup	PPP over Ethernet (PPPoE)		
Layer2 Interface	O IP over Ethernet		
ATM Interface			
ETH Interface	Enter Service Description: pppoe_0_0_35		
WAN Service	For tagged service, enter valid 802.1P Priority and 802.10 VLAN	ID.	
LAN	For untagged service, set -1 to both 802.1P Priority and 802.1Q	VLAN ID.	
NAT	Enter 802.1P Priority [0-7]:	+1	
Security	Enter 802.1Q VLAN ID [0-4094]:	-1	
Parental Control	Network Protocal Selection:		
Bandwidth Control	IPv6 Only		
Routing			L
DHS			Back Next

Step 4: Configure PPP Username and Password and other settings on the figure below. Each field with its indication is mentioned above in **IPv4 Only (PPPoE)** section.

If ISP provides you no static IPv6 address, you just keep the default settings for it's by default the DHCP mode. Check Launch Dhcp6c for Prefix Delegation (IAPD). If your ISP is using stateful DHCPv6, check Launch Dhcp6c for Address Assignment (IANA) also. Click Next.



Tenda	7
	PPP Username and Password
Device Into	
Advanced Setup	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, anter the user name and password that your ISP has provided to you.
Layer2 Interface	
ATM Interface	PPP Usemamer
ETH Interface	PPP.Password:
WAN Service	PPPoE Service Name
LAN	Authentication Methodi AUTO V
NAT	
Security	MAC Cope L1
Parental Control	MTU; 1462 (576-
Bandwidth Control	1452/08/aufi 1432/
Routing	Ensore Parcone IVA
DH5	The second distribution of the second second
DSL.	Dep the served as
UPnP	
Print Server	Enable Frewal
Storage Service	Use Stabic IPv4 Address
Interface Grouping	Use Static IPv6 Address
IP Tunnel	Enable IPv6 Unnumbered Model
Certificate	Laundi Dhop6c for Address Assignment (IANA)
Multicast	Launch Dhopfic for Prefix Delegation (IAPD)
IPTV	Enable PPP Debug Mode
Wireless	Bridge PPPoE Frames Between WAN and Local Pons
Diagnostics	
Management	Multicast Proxy
	Enable IGMP Multicast Proxy
	Enable MLD Multiceast Proxy Back Next

If ISP provides you with the static IPv6 address, configure a static IP address by checking Use Static IPv6 Address and

enter the static IPv6 address.

WAN Service	Dial on demand (with idle timeout timer)	
LAN	PPP IP extension	
NAT	 Enable Firewall 	
Security	Use Static IPv4 Address	
Parental Control	☑ Use Static IPv6 Address	
Bandwidth Control	IPv6 Address:	
Routing	Enable IPv6 Unnumbered Model	
DNS	Launch Dhcp6c for Address Assignment (IANA)	For IPv6 Setting
DSL	☑ Launch Dhcp6c for Prefix Delegation (IAPD)	
UPnP	Enable PPP Debug Mode	
Print Server	Bridge PPPoE Frames Between WAN and Local Ports	
Storage Service		
Interface Grouping		
IP Tunnel	Multicast Proxy	
Certificate	Enable IGMP Multicast Proxy	
Multicast V	Enable MLD Multicast Proxy	
< >		Back Next

Step 5: To configure the Default Gateway interface when using IPv6, select the interface that you want to configure with

the WAN gateway address in Selected WAN Interface box. Then click Next.



Tenda	a
Device Info	Routing — Default Gateway
Advanced Setup	
Layer2 Interface	Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the
ATM Interface	one the lowest priority if the WAN interface is connected, Priority order can be changed by removing all and adding them back in again.
ETH Interface	
WAN Service	Selected Default Available Routed WAN
LAN	Gateway Interfaces Interfaces
NAT	
Security	il hai
Parental Control	
Bandwidth Control	
Routing	
DNS	
DSL	
UPnP	
Print Server	IPv6: Select a preferred wan interface as the system default IPv6 gateway. For IPv6 Setting
Storage Service	Selected WAN Interface pppoe_0_0_35/ppp0.1 V
Interface Grouping	
()	Back Next

Step 6: To configure the WAN DNS address, check the Obtain IPv6 DNS info from a WAN interface option, or select

the Use the following Static IPv6 DNS address option to enter the static DNS server IPv6 addresses provided by your

	ISP.	At	last,	click	Next.
--	------	----	-------	-------	-------

rice Info	Select DNS Server Interface from available WAN interfaces:	
vanced Setop ayer2 Interface ATM Interface	Selected DNS-Server Available WAN Interfaces	
ETH Interface	3	
AT ecurity	4	
arental Control andwidth Control	Use the following Static DWS IP address:	
outing NS	Primary DNS server: Secondary DNS server:	
ISL IPnP Print Server Itorage Service	IPv6: Select the configured WAN interface for IPv6 DNS server informatio Note that selecting a WAN interface for IPv6 DNS server will enable DHCP	n OR enter the static IPv6 DNS server Addresses. /6 Oliënt on that interface.
nterface Grouping	Obtain 1Pv6 DN5 info from a WAN interface:	
• Tunnel ertificate	WAN Interface selected: pppoe_0_0_35/ppp0.1 V	For IPv6 Setting
ulticast	Primary IPv6 DNS server:	
TV	Secondary IPv6 DNS server:	
gnostics V		Dear Land

Step 7: Here you can view your configurations. Click Apply/Save to take this interface into effect.





When the PPPoE connection is successful, you can access the Internet.

Tenda	1												Hone
Device Info		Wide Area Network (WAN) Service Setup Choose Add, Remove or Edit to configure a WAN service over a selected interface.											
Advanced Setup	Interface	Description	Туре	Vlan802.1p	VlanMuxid	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit	
Layer2 Interface	ppp0.1	pppoe_0_0_35	PPPoE	N/A	N/A	Disabled	Disabled	Enabled	Enabled	Disabled		Edit	
ATM Interface							-						
ETH Interface WAN Service					Add	Remo	/e						

IPoE

IPv4 Only

If your ISP uses DHCP to assign your IP address or if your ISP assigns you a static (fixed) IP address, IP subnet mask

and the gateway IP address, you need to select the IP over Ethernet (IPoE).

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Ten	da	
Douleo Info	~	Wide Area Network (WAN) Service Setup
Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service LAN NAT		Choose Add, Remove or Edit to configure a WAN service over a selected interface. Timerface Description Type Vlan802.1p VlanMuxId Igmp NAT Firewall IPv6 Mid Remove Edit Add Remove Add Remove Edit Ed
Security		



Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Select IP over Ethernet. Edit the Enter Service Description which is optional. Suggest you keep the default.

Select a network protocol: IPv4 Only. Click Next.

	WAN Service Configuration	
Device Info		
Advanced Setup	Select WAN service type:	
Layer2 Interface	O PPP over Ethernet (PPPoE)	
ATM Interface	IP over Ethernet Reidning	
ETH Interface	S Bruging	
WAN Service		
LAN	Enter Service Description: ipoe_0_0_35	
NAT		
Security		
Parental Control	For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID.	
Bandwidth Control	For untagged service, set -L to both 802.1P Priority and 802.1Q VLAN ID.	
Routing	Enter 802.1P Priority [0=7]: -1	
DNS	Enter 802.1Q VLAN ID [0-4094]: -1	
DSL		
UPnP		
Print Server	IPV4 Only	
Storage Service		
Interface Grouping		
IP Tunnel		Back Next
Certificate		farment farment

Step 4: Finish WAN IP Settings on the figure below. Click Next.

Tend	a				
Device Info	WAN IP Settings				
Advanced Setup Layer2 Interface	Enter information provided to you by your ISP to configure the WAN IP settings.				
ATM Interface	Notice: If "Obtain an IP address automatically" is chosen, DHCP will be enabled for PVC in IPoE mode.				
ETH Interface	If "Use the following Static IP address" is chosen, enter the WAN IP address, subnet mask and interface gateway.				
WAN Service					
LAN	Obtain an IP address	automatically			
NAT	Option 60 Vendor ID:				
Security	Option 61 IAID:		(8 hexadecimal digits)		
Parental Control	Option 61 DUID:	12	(hexadecimal digit)		
Bandwidth Control	Option 125:	Disable	O Enable		
Routing	O Use the following Static IP address:				
DNS	WAN IP Address				
DSL	WAN Subnat Mark	-			
UPnP	WAW SUDICE Mask.	-			
Print Server	WAN gateway IP Address:				
Storage Service					
Interface Grouping					
IP Tunnel			Back Next		

Obtain an IP address automatically: This allows the router to automatically acquire IP information from your ISP or

your existing networking equipment.

Use the following Static IP address: This allows you to specify the Static IP information provided by your ISP or that corresponds with your existing networking equipment.

WAN IP Address: The Internet IP address provided by your ISP for accessing the Internet.

WAN Subnet Mask: The subnet mask address provided by your ISP for accessing the Internet.

WAN gateway IP Address: The gateway IP address provided by your ISP for accessing the Internet.

Step 5: Finish Network Address Translation Settings. Suggest keep the default settings. Click Next.

Tend	а		
Device Info	Network Address Translation Settings		
Advanced Setup			
Layer2 Interface	Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).		
ATM Interface			
ETH Interface	Enable NAT		
WAN Service	Enable Bullcone NAT		
LAN			
NÁT	🗹 Enable Firewall		
Security			
Parental Control	IGMP Multicast		
Bandwidth Control	Enable IGMP Multicast		
Routing			
DNS	Back Next		
DSL			
(IPnP			


Step 6: To configure the Default Gateway interface, select the interface that you want to configure with the WAN

gateway address in Available Routed WAN Interfaces box and move it into Selected Default Gateway Interfaces box.

The default setting is recommended. Then click Next.

Tend	а	Hare Parc 🥏
Device Info	Routing Default Gateway	
Advanced Setup		
Layer2 Interface		
ATM Interface	Default gateway interface list can	have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the lowest.
ETH Interface	priority if the WAN interface is co	nnected. Priority order can be changed by removing all and adding them back in again.
WAN Service		
LAN	Selected Default	Available Routed WAN
NAT	Gateway Interfaces	Interfaces
Security		
Parental Control	atm0.1	
Bandwidth Control		
Routing	-2	
DNS	4-	
DSL		
UPnP		
Print Server		
Storage Service		
Interface Grouping		
IP Tunnel		
Certificate		
Multicast		
IPTV		Back Next

Step 7: To finish DNS Server Configuration, click the Select DNS Server Interface from available WAN interfaces option, or select the Use the following Static DNS IP address option and enter the static DNS server IP addresses provided by your ISP. At last, click Next.

Tend	a
Device Info	DNS Server Configuration
Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service	Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered. DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the first being the higest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.
LAN NAT Security	Selected DNS Server Available WAN Interfaces
Parental Control Bandwidth Control Routing DNS	atm0.1
DSL UPnP	
Print Server Storage Service Interface Grouping IP Tunnel	O Use the following Static DNS IP address: Primary DNS server:

Û

Step 8: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.



Device Info	WAN Setup - Summ	ary			
dvanced Setup Layer2 Interface	Make sure that the se	ttings below i	ch the settings provi	ded by your ISP-	
ATM Interface	Connection Type:	IPoE			
ETH Interface	MAT:	Enabled			
WAN Service	Full Cone NAT:	Disabled			
LAN	Firewall:	Enabled			
NAT	IGMP Multicast:	Disabled			
Security	Quality Of Service:	Enabled			
Bandwidth Control Routing DNS	Click "Apply/Save" to I	have this inte	ce to be effective. Cl	ick "Back" to make any	modifications. Back Apply/Sa

When the IPoE connection is successful, you can access the Internet.



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IPv4 & IPv6 (Dual Stack)

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Ten	da	
Device Info	~	Wide Area Network (WAN) Service Setup
Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service LAN NAT Security		Choose Add, Remove or Edit to configure a WAN service over a selected interface. Interface Description Type Vian802.1p VianMuxId Igmp NAT Firewall IPv6 Mid Remove Edit Add Remove Add Remove Remove

Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Tenda

Step 3: Select **IP over Ethernet**. Edit the **Enter Service Description** which is optional. Suggest you keep the default. Select a network protocol: **IPv4&IPv6 (Dual Stack)**. Click **Next**.

Device Info	WAN Service Configuration Select WAN service type:	
Advanced Setup Layer2 Interface	 PPP over Ethernet (PPPoE) IP over Ethernet Bridging 	
ATM Interface ETH Interface	Enter Service Description: poe 0 0 35	
WAN Service	For tagged service, enter valid 802.1P Priority and 80 For untagged service, set -1 to both 802.1P Priority a	J2.1Q VLAN ID. and 802.1Q VLAN ID.
NAT	Enter 802.1P Priority [0-7]:	-1
Security	Enter 802.1Q VLAN ID [0-4094];	-1
Parental Control		
Bandwidth Control	Network Protocal Selection: IPv4&IPv6(Dual Stack) V	
Routing		
DNS		Back Next
DSL	1	

Step 4: To finish WAN IP Settings, select Obtain an IPv6 address automatically, check Dhcpv6 Prefix Delegation (IAPD). If your ISP is using stateful DHCPv6, check Dhcpv6 Address Assignment (IANA) also. Or select Use the following Static IP address if your ISP provides you with an IPv6 address. Click Next.



	Sitter information provided to you i	by your ISP to configure the WAN IP settings.	
Setup	Ablice: If "Obtain an IP address a	utametically" is chosen, OHCP will be enabled !	for PVC in 19at mode.
Interface	If 'Use the following Static IP add	ear' is chosen, entire the WAN IP address, su	unes, mostik and inderface galeway.
terface			
iterface	🔍 Ottain en IP etdress autam	alically	
nviidė	Epilian 60 Vendor ID:		The second s
	Option 51 IAID	(8 hexadecimal digit	e) For IPv4 Setting
	Option 61 DUED	(/iexadecime) digit)	
	Option 125:	Daalle O'Balle	
Control	O the the following Static IP a	stdress:	
th Control	WAN IP ADDEES:		
	WAN Subret Plask:		
	WAN gateway JP Address:		
	form channel or provided to you	w use 150 to code up the WAN IPv6 settion	
	Notice:	ni lan mu manifina na lini) nua samifi	
wer-			
	If Obtain an IPV6 address automatic	tics y is closen. CHCP45 Diert will be entitle	at on this WAN interface
Sérvice	II 'Othern an IPv6 address automs If 'Use the following Static IPv6 at 18 'Use the following Static IPv6 at	licely" is chosen, CHCP45 Dient will be entitle Means" is chosen, entre the static WAN 1945 s	ad on this WAA) interface address. If the address prefix length is not specified, it will be default to (64.
Sérvice e Grouping	II 'Ottain er IPr6 address autons If 'Use Die following Satic IPr6 a	sically 'a chara, OHONG Client will be even Morear' a charan, entre the static WAN 1946 s	ed on this WAN interface. address. If the address prefix length is not specified, it will be default to 764.
Sérvice e Grouping el	II 'Ottain an IP46 address automs II' 'Use Die following Static IP46 a	Scaly" is chosen, OHCHS, Client will be easily Monar" is chosen, entre the static WAN 1945 :	ad on this WAN interfease address. If the eddress prefix length is not specified, it will be default to 764.
Sérvice e Grouping el te	II 'Ottain an DAG address automs IF 'Use Die following Static DAG a Ottain an DAG address auto	Society" is chosen, OHONG Olient will be ensuin Monor" is chosen, entre the static WAN 1945 ; matically	ad on this WAN) interface: address. If the address prefix length is not specified, it will be default to 764.
Sérvice le Grouping el té t	II 'Otbain an IP46 address automs IF 'Use the following Static IP+6 a Ottain an IP46 address auto Dictorio Address Assignment	Socially, 'is chosen, CHCHG Client will be enable Mineral' is chosen, entre the static WAN IP45 : matically (1ANA)	ad on this WAN interface: address. If the address prefix length is not specified, it will be default to 764.
Sérvice le Grouping el te t	If 'Otdain an IP46 address automs If 'Use the following Static IP46 a Otdain an IP46 address auto Ohgav6 Address Assignment Ohgav6 Address Assignment Ohgav6 Weffs Delegation (JA	Socially, is chosen, CHCH4, Client will be enable abread is chosen, entre the static WAN IP45 : maclately -(TANA) PD)	ed on this WAN interface address. If the address prefix length is not specified, it will be default to 764.
Sérvice e Grouping el té t	II 'Oldain an IP46 address autons II' Use the following Static IP46 a Globein an IP46 address auto Dhoné Address Assignment Dhoné Welfs Delegation (IA Cube the following Static IP46	Socially, is observe, OHONG Overs will be ensuin dates of a chosen, entre the static WAN IPHS : matically : (LANA) : PO) 5 address:	ed on this WAN interface: address. If the address prefix length is not specified, it will be default to 764. For IPv6 Setting
Sérvice e Grouping el te t	If 'Oldain an IP46 address automs If 'Use Die following Static IP46 a Oldain an IP46 address auto Ohop46 Address Arsignment Dhop46 Redfor Delegation (IA Use the following Static IP44 WAN IP46 Address/Prefor Length	Society is observe, OHONG Client will be enter dates of a chosen, entre the static WAN IPVS : matically : (LANA) IPO) 5 address:	ed on this WAN interface: address. If the address prefix length is not specified, it will be default to 764.
Sérvice e Grouping el te t t cs rent	II 'Oldain an IP46 address automs II' Use the following Static IP46 a Gatain an IP46 address auto Dhop46 Address Ansignment Dhop46 Address Ansignment Anote the following Static IP44 WAN IP46 Address/Prefix Length	Socially, is obscen, OHONG Olivet will be even dateed, is chosen, when the static WAN IPVS (matically : (TANA) (PO) 5 address:	ed on this WAN interfeae address. If the eddress prefix length is not specified, it will be default to you. For IPv6 Setting
Sérvice e Grouping el te t t	 If 'Oldain an IP46 address automs If 'Use the following Static IP46 a Obtain an IP46 address automs Ohtavic Automs Assignment Ohtavic Herlis Delegation (IA Ohtavic Herlis Delegation (IA Ohtavic Herlis Delegation (IA Ohtavit Herlis Delegation (IA 	Socially, is objecting, OHONG Olivet, will be enter dates of a chosen, writer the static WAN IPVS (matically : (TANA) (PD) 5 eddness:	ed on this WAN interface address. If the address prefix length is not specified, it will be default to 764. For IPv6 Setting
Sérvice e Grouping el te t t nent	If 'Oldain an IP46 address automs If 'Use the following Static IP46 a Oldain an IP46 address auto Ohgaid Address Assignment Of Dhose Herfs Delegation (IA O dae the following Static IP44 WAN IP46 Address/Prefs, Length Specify The Next-Hap IP46 address	Socially is officient, OHONG Client will be enter donesed is officient, while the static WAN IBNS (medically (IANA) (RO) 5 relidment:	ed on this WAN interface solaress. If the address prefix length is not specified, it will be default to yok. For IPv6 Setting
Sérvice e Grouping el te t sent	If 'Oldain an IP46 address automs If 'Use the following Static IP46 a Other on IP46 address auto Dhone Address Assignment Dhone Weller Delegation (IA O date the following Static IP44 WAN IP46 Address/Prefix Length Specify the Next-Hap IP46 address Natice: This address can be either	Socially, is orboxen, OHONG Clent will be enable doneon" is chosen, entre the static WAN IPVS : matically ((LANA) (PO) 5 address for this WAN interface a link local or a global unicett IPVS address	ed on this WAN interface solaress. If the address prefix length is not specified, it will be default to rok. For IPv6 Setting

If ISP provides you with the static IPv6 address, configure a static IP address by checking Use the following Static IPv6

address and enter the static IPv6 address.

Tenda

O Obtain an IPv6 address automatically			
Dhcpv6 Address Assignment (IANA)			
 Dhcpv6 Prefix Delegation (IAPD) 			
 Use the following Static IPv6 address: WAN IPv6 Address/Prefix Length: 			
Specify the Next-Hop IPv6 address for this V	VAN interface.		
Notice: This address can be either a link local	or a global unicast IPv6 address.		
WAN Next-Hop IPv6 Address:			
		В	ack Next

Step 5: Configure NAT settings. If you are unsure about the options, please keep the default settings and then click Next.



Device Info	Network Address Translation Settings
Advanced Setup Layer2 Interface	Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN
ATM Interface	Enable NAT
ETH Interface	Enable Fullcone NAT
WAN Service	Enable Finewall
LAN	
NAT	IGMP Multicast
Security	Enable IGMP Multicast
Parental Control	
Bandwidth Control	Enable MLD Multicast Proxy
Routing	Back Next

Step 6: Configure the WAN gateway address. Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

If you are unsure about the options, please keep the default settings and then click Next.

Tenda	Home Pages 🥼
Device Info	Routing – Default Gateway
Advanced Setup	
Layer2 Interface	Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the
ATM Interface	lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.
ETH Interface	
WAN Service	Selected DeFault Available Routed WAN
LAN	Gateway Interfaces Interfaces
NAT	atm0.1
Security	
Parental Control	3
Bandwidth Control	*
Routing	
DNS	
DSL	
UPnP	
Print Server	IPv6: Select a preferred wan interface as the system default IPv6 gabeway.
Storage Service	
Interface Grouping	
IP Tunnel	Back Next

If you are using static IPv6 DNS address, select **Use the following Static IPv6 DNS address** and manually enter the DNS server address. If you have two DNS server addresses, enter the secondary also. And click **Next**.

enda	Wireless N300 ADSL2+ High Power Modem Router
IPv6: Select the configured WAN interface for IPv6 DNS server in Note that selecting a WAN interface for IPv6 DNS server will ena	nformation OR enter the static IPv6 DNS server Addresses. ble DHCPv6 Client on that interface.
O Obtain IPv6 DNS info from a WAN interface:	
WAN Interface selected: ipoe_0_0_35/atm0.1 V	
Use the following Static IPv6 DNS address:	
Primary IPv6 DNS server:	
Secondary IPv6 DNS server:	
	Back Next

Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

evice Info	WAN Setup - Summ	nary				
vanced Setup	Make sure that the se	ttings below mate	the settings provide	d by your ISP.		
ATM Interface	Connection Type:	Bridge				
ETH Interface	NAT:	Disabled				
WAN Service	Full Cone NAT:	Disabled				
LAN	Firewall:	Disabled				
NAT	IGMP Multicast:	Not Applicable				
Security Parental Control	Quality Of Service:	Disabled				
Bandwidth Control	Click "Apply/Save" to	have this interfac	to be effective. Clic	"Back" to make any mo	idifications.	
Routing					Back	Apply/S

When the IPoE connection is successful, you can access the Internet.

Tenda				Wide	Area Netw	ork (WAt	() Servic	e Setun				
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.											
Auvanced Secup	Interface	Description	Туре	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewall	I₽v6	Mid	Remove	Edit
Layer2 Interface WAN Service	atm0.1	ipoe_0_0_35	IPoE	N/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled		Edit
LAN					Add	Remo	ove					



IPv6 Only

Step 1: Click Advanced Setup > WAN Service and then click the Add button.



Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Select **IP over Ethernet (IPoE)**. Edit the **Enter Service Description** field which is optional. Suggest you keep the default. Select a network protocol you need: **IPv6 Only**. Click **Next**.



Device Info Advanced Setup Layer2 Interface WAN Service LAN NAT Security	WAN Service Configuration Select WAN service type: O PPP over Ethernet (PPPoE) O IP over Ethernet O Bridging Enter Service Description: lipoe 0 0 35 For tagged service, enter valid 802.1P Priority and 802.1Q VLAN For untagged service, set -1 to both 802.1P Priority and 802.1Q V	ID. VLAN ID.
Parental Control	Enter 802.1P Priority [0-7]:	-1
Bandwidth Control	Enter 802.1Q VLAN ID [0-4094]:	-1
Routing		
DNS	Network Protocal Selection: IPv6 Only	
DSL		
UPnP		Back Next
Print Server		

Step 4: Enter the WAN information provided by your ISP to configure the WAN IPv6 settings.

To obtain an IP address automatically:

Select Obtain an IPv6 address automatically.

Check Dhcp6c Prefix Delegation (IAPD).

If your ISP is using stateful DHCPv6, check Dhcp6c Address Assignment (IANA) also.

Click Next to go forwards.

Tenda	
Device Info Advanced Setup Layer2 Interface	WAN Subnet Mask: WAN gateway IP Address:
ATM Interface ETH Interface	Enter information provided to you by your ISP to configure the WAN IPv6 settings. Notice:
LAN	If "Obtain an IPv6 address automatically" is chosen, DHCPv6 Client will be enabled on this WAN interface If "Use the following Static IPv6 address" is chosen, enter the static WAN IPv6 address. If the address prefix length is not specified, it will be default to /64.
NAT Security	
Parental Control	Obtain an IPv6 address automatically Dhcpv6 Address Assignment (IANA)
Routing	Dhcpv6 Prefix Delegation (IAPD) Use the following Static IPv6 address:
DSL	WAN IPv6 Address/Prefix Length: 2007/01Es
UPnP Print Server	Specify the Next-Hop IPv6 address for this WAN interface.
Storage Service	Notice: This address can be either a link local or a global unicast IPv6 address.
IP Tunnel Certificate	Back



Step 5: Finish Network Address Translation Settings. Suggest keep the default settings. Click Next.

Tenda	
Device Info	Network Address Translation Settings
Advanced Setup Layer2 Interface	Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).
ATM Interface	Enable NAT
ETH Interface	I Enable Firewall
WAN Service	
LAN	IGMP Multicast
NAT	Enable IGMP Multicast
Security	
Parental Control Bandwidth Control	Enable MLD Multicast Proxy Back Next

Step 6: To configure the Default Gateway interface when using IPv6, select the interface that you want to configure with

the WAN gateway address in Selected WAN Interface box. Then click Next.

Tenda	7	Hamis Page 🥬
Device Info	Routing – Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can	have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the
ATM Interface	lowest priority if the WAN interfa-	ce is connected. Priority order can be changed by removing all and adding them back in again.
ETH Interface		
WAN Service	Selected Default	Available Routed WAN
LAN	Gateway Interfaces	Interfaces
NAT	aloui)	
Security	Latitud y	
Parental Control	-21	
Bandwidth Control	<.	
Routing		
DNS		
DSL		
UPnP		
Print Server	IPv6: Select a preferred wan inter	face as the system default IPv6.gatewav.
Storage Service	Selected WAN Interface [poe_0_	0_3bratm0,1 V
Interface Grouping		
IP Tunnel		Back

Step 7: To configure the WAN DNS address, check the **Obtain IPv6 DNS info from a WAN interface** option, or select the **Use the following Static IPv6 DNS address** option to enter the static DNS server IPv6 addresses provided by your ISP. At last, click **Next**.



Tend	a E	0
Device Info	DNS Server Configuration	
Advanced Setup	Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system, In ATM mode, F only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered,	
Layer2 Interface	DNIS Server Interfaces can have multiple WAN interfaces served as system das servers but only one will be used according to the priority with the First being the higest and the last one the lowest priority if the WAN interface is connected. Priority order can be chenged by removing all and adding them back in again.	
ETH Interface	9 Change constants for such the Bautist and	
WAN Service LAN NAT	Select UNS Server Interface from available WAN Interfaces Salected DNS Server Available WAN Interfaces Interfaces	
Security Parental Control Bandwidth Control Routing DNS DSL UPaD Print Server Storage Service Interface Grouping DF funnel	Use the following Static DNS IP address: Primary DNS serveri Secondary DNS testveri	
Certificate Hubicast IPTV Wireless Diagnostics Management	IP/61 Salact the tarkgured WAN metrics for IP/6 DNS server information OR encer the static IP/6 DNS-service/Addresses. Note that subscripts a WAN metrics for IP/6 DNS server will emable DHCP/6 Client on that interface. IP/61 DAta IP/6 DNS inform a WAN interface. WAN Interface Indexted IP/6_0_35/state.0.1 v/ Imary IP/6 DNS server. Primary IP/6 DNS answer. Sameter. Sameter.	

Step 8: Here you can view your configurations. Click Apply/Save to have this interface to be effective.

Interface Nake sure that the settings below match the settings provided by your TSP. IM Interface Connection Type: IPoE IN Interface NAT: Disabled IN Service Full Cone NAT: Disabled Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled	vice Info	WAN Setup - Sumn	nary
IM InterfaceConnection Type:IPqEIH InterfaceNAT:DisabledNServiceFull Conte NAT:DisabledFirewall:EnabledIGMP Multicast:DisabledQuality Of Service:Disabled	vanced Setup ayer2 Interface	Make sure that the se	tängs below
Image: Mater and Ma	ATM Interface	Connection Type:	IPoE
Full Come NAT: Disabled Firewall: Enabled TGMP Multicast: Disabled Quality Of Service: Disabled	ETH Interface	NAT:	Disabled
Firewall: Enabled IGMP Multicast: Disabled Quality Of Service: Disabled	VAN Service	Full Cone NAT:	Disabled
IGMP Multicast: Disabled urity Quality Of Service: Disabled	AN	Firewall:	Enabled
ental Control Quality Of Service: Disabled	AT	IGMP Multicast:	Disabled
ental Control	ecurity	Quality Of Service:	Disabled
	rental Control		
	uting		

When the IPoE connection is successful, you can access the Internet.

Tenda				Wide	e Area Netwo	ork (WAN) Service	Setup				
Device Info		C	noose A	dd, Remove o	r Edit to conf	igure a W.	AN service	over a se	ected int	erface.		
Advanced Setup	Interface	Description	Type	Vlan802.1p	VianMuxid	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
Layer2 Interface	atm0.1	ipoe_0_0_35	ÎPoE	N/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled	Ē	Edit
ATM Interface ETH Interface					0.00	Domo						
WAN Service					NUU	Rein	ve.					



Bridge

If you wish to initiate a dialup directly from your PC for Internet access or enjoy the entire Internet connection (instead

of sharing it with others), you can use the Bridging DSL link type and create a dialup program on your PC.

Step 1: Click Advanced Setup > WAN Service and then click the Add button.

Tenda	
	Wide Area Network (WAN).Service Setup
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.
Advanced Setup	Interface Description Type VlanBD2.1p VlanMuxId Igmp NAT Firewall IPv6 Mld Remove Edit
Layer2 Interface	
ATM Interface	Add Remove
ETH Interface	
WAN Service	
LAN	

Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Select Bridging. Edit the Enter Service Description which is optional. Suggest you keep the default. Click Next.

Tenda

Tena	a	
Device Info Advanced Setup Layer2 Interface	WAN Service Configuration Select WAN service type: O PPP over Ethernet (PPPoE) O IP over Ethernet Bridging	
ATM Interface ETH Interface	Enter Service Description: br_0_0_35	
WAN Service	For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID. For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.	
NAT Security	Enter 802.1P Priority [0-7]:1 Enter 802.1Q VLAN ID [0-4094]:1	
Parental Control Bandwidth Control		
Routing DNS	[]	Back Next

Step 4: Here you can view your configurations. Click Apply/Save to have this interface to be effective.

evice Info	~	WAN Setup - Summ	nary			
dvanced Setup Layer2 Interface		Make sure that the se	ttings below mate	h the settings provide	ed by your ISP.	
ATM Interface		Connection Type:	Bridge			
ETH Interface		NAT:	Disabled			
WAN Service		Full Cone NAT:	Disabled			
LAN		Firewall:	Disabled			
NAT		IGMP Multicast:	Not Applicable			
Security Parental Control		Quality Of Service:	Disabled			
Bandwidth Control Routing		dick "Apply/Save" to	have this interfac	e to be effective. Clic	k "Back" to make any m	odifications.
DNS						Back

After the bridging connection is successful, initiate a dialup directly from your PC for Internet access.

Device Info		c	Thoose A	Wide dd, Remove o	e Area Netwo	ork (WAN igure a W) Service AN service	e over a se	ected inte	erface.		
Advanced Setup	Interface	Description	Type	Vlan802.1p	VianMuxid	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
Layer2 Interface	atm0,1	br_0_0_35	Bridge	N/A	N/A	Disabled	Enabled	Enabled	Disabled	Disabled		Sait
ATM Interface ETH Interface WAN Service			1		Add	Remo	ve					



▲_{Note}

To configure multiple WAN connect ions, simply configure multiple ATM interfaces and then follow the instructions above.

PPPoA

If you have selected the **PPPoA** from the **ATM Interface** screen in **Layer2 Interface**, you will see the screen below when you click the **WAN Service** tab, select the configured interface and click **Next**.

IPv4 Only

Step 1: Click Advanced Setup > WAN Service and then click the Add button.



Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Edit the Enter Service Description. This field is optional. We recommend that you keep the default.

Select a network protocol: IPv4 Only, IPv6 Only or IPv4 & IPv6 (Dual Stack). Click Next.



Device Info	WAN Service Configuration	
Advanced Setup	Enter Service Description: pppoa_0_0_35	
ATM Interface	Nebwork Protocal Selection: IPV4 Only	
WAN Service		Back Next
NAT		

Step 4: Enter PPP username and its password provided by your ISP. Click Next.

Tenda	l Henris Terre 🥏
Device Info	PPP Username and Password
Advanced Setup Layer2 Interface	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.
ATM Interface ETH Interface	PPP Username: PPP Password:
WAN Service	Authentication Method: AUTO V
NAT	Ensble Fullcone NAT
Security Parental Control	Dial on demand (with idle timeout timer)
Bandwidth Control Routing	Enable Firewall Use Static IPV4 Address
DNS	Enable PPP Debug Mode
UPnP	Multicast Proxy
Print Server Storage Service	Enable IGMP Multicast Proxy Back Next
Interface Grouping	

PPP Username: This is for logging in to your ISP. If you cannot locate this information, ask your ISP to provide it.

PPP Password: This is for logging in to your ISP. If you cannot locate this information, ask your ISP to provide it.

Authentication Method: This is used by ISP to authenticate the client that attempts to connect. If you are not sure, consult your ISP or select **AUTO**.

Dial on demand: Connect to ISP only when there is traffic transmission. This saves your broadband Internet service bill.

Enable PPP Debug Mode: Only enable this feature if supported by your ISP.

Multicast Proxy: If enabled, the router will use multicast proxy.

If you are not sure about the options on this screen, simply enter your ISP user name and password and leave the other options unchanged from defaults. Click **Next** to enter the following screen.



Step 5: To configure the WAN gateway address. After you configure it click Next. The default setting is recommended.

Tenda	7	Home Page 🥏
Device Info	Routing Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can h	ave multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the
WAN Service	lowest priority if the WAN interface	is connected. Priority order can be changed by removing all and adding them back in again.
LAN		
NAT	Selected Default	Available Routed WAN
Security	Gateway Interfaces	Interfaces
Parental Control	pppoa0	
Bandwidth Control	Per con	·
Routing	>	
DNS	~	
DSL		
UPnP		
Print Server		
Storage Service		
Interface Grouping		
IP Tunnel		
Certificate		
Multicast		Back Next

Step 6: To configure the WAN DNS address. Choose a way to get DNS server according to what your ISP has provided.

-Click the Select DNS Server Interface from available WAN interfaces option.

-Select the Use the following Static DNS IP address option and enter static DNS server IP addresses for the system.

And then click Next.

Tenda	a
Device Info	DNS Server Configuration
Advanced Setup Layer2 Interface	Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered,
WAN Service	DHS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the first baing the higest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.
NAT Security Parental Control Bandwidth Control	Select DNS Server Interface from available WAN interfaces: Selected DNS Serve Available WAN Interfaces Interfaces
Routing DNS DSL UPnP Print Server Storage Service	pppoa0
Interface Grouping IP Tunnel Certificate Multicast	O Use the following Static DNS IP address: Primary DNS server:

▲_{Note}

1. DNS Server Interfaces can have multiple WAN interfaces served as system DNS servers but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

2. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered.



3. If you cannot locate the static DNS server IP information, ask your ISP to provide it.

Step 7: Here you can view your configurations. Click Apply/Save to have this interface to be effective.

Device Info	WAN Setup - Summ	ary				
Advanced Setup Layer2 Interface	Make sure that the se	itings below mate	h the settings p	rovided by your ISP	6	
WAN Service	Connection Type:	Bridge				
LAN	NAT:	Disabled				
NAT	Full Cone NAT:	Disabled				
Security	Firewall:	Disabled				
Parental Control	IGMP Multicast:	Not Applicable				
Bandwidth Control Routing	Quality Of Service:	Disabled				
DNS	Click "Apply/Save" to I	have this interfac	to be effective.	Click "Back" to ma	ke any modification	ns.
DSL					Back	Ann

Step 8: When the PPPoA connection is successful, you can access the Internet.

Tenda Device Info		ch	loose Ar	Wide Id, Remove or	Area Netwo	rk (WAN Jure a WA) Service N service	Setup over a sel	ected inte	rface.			Home Page	E
Advanced Setup Layer2 Interface	Interface pppoa0	Description	Түре РРРоА	Vlan802.1p N/A	VlanMuxId N/A	Igmp Disabled	NAT Enabled	Firewall Enabled	IPv6 Disabled	Mid Disabled	Remove	Edît Edit		
ETH Interface WAN Service					Add	Remo	/e					1	40	

IPv4 & IPv6 (Dual Stack)

Step 1: Click Advanced Setup > WAN Service and then click the Add button.

Tenda		Home Page Ø
	Wide Area Network (WAN) Service Setup	
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.	
Advanced Setup	Interface Description Type Vlan802.1p VlanMuxId Tomp NAT Firewall IPv6 Mld Remove Edit	
Layer2 Interface		
ATM Interface	Add Remove	
ETH Interface		
WAN Service		
LAN		

Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Edit the Enter Service Description. This field is optional. We recommend that you keep the default.

Select a network protocol: IPv4 & IPv6 (Dual Stack). Click Next.

Tenda

Device Info	WAN Service Configuration	
Advanced Setup Laver2 Interface	Enter Service Description: pppoa 0 0 35	
ATM Interface	Network Protocal Selection: IPv4&IPv6(Dual Stack) ✓	
WAN Service		Back Next

Step 4: Enter PPP username and its password provided by your ISP. Click Next.



the second s	
Tenda	
Device Info	PPP Username and Password
Advanced Setup	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.
Layer2 Interface	
ATM Interface	PPP Username:
ETH Interface	PPP Password:
WAN Service	Authentication Method: AUTO V
LAN	
NAT	Enable Fullcone NAT
Security	
Parental Control	Dial on demand (with idle timeout timer)
Bandwidth Control	Enable Firewall
Routing	Use Static IPv4 Address
DNS	Use Static IPv6 Address
DSL	Enable IPv6 Unnumbered Model
UPnP	Launch Dhcp6c for Address Assignment (IANA)
Print Server	Launch Dhcp6c for Prefix Delegation (IAPD).
Storage Service	Enable FPP Debug Mode
Interface Grouping	
IP Tunnel	
Certificate	Multicast Proxy
Multicast	Enable IGMP Multicest Proxy
IPTV	Enable MLD Multicast Proxy
Winalace	Back Next
1	

Step 5: To configure the WAN gateway address. After you configure it click Next. The default setting is recommended.

Tenda		Hume Rage 🧔
Device Info	Routing Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can have multiple WAN interfaces served as system of	efault gateways but only one will be used according to the priority with the first being the higest and the last
ATM Interface	one the lowest priority if the WAN interface is connected. Priority order can be char	iqed by removing all and adding them back in again.
FTH Interface		
WAII Sentice	Selected Default Available Routed WAN	For IPv4 Setting
LON	Gateway Interfaces Interfaces	
LAN		
MAI	pppoa0	
Security		
Parental Control	~	
Bandwidth Control	<-	
Routing		
DNS		
DSL		
VPnP	man makes a state of the day of the first state of the state	English Continue
Print Server	PVo: Select a preferred wan interface as the system default IPvo gateway.	For iPVo Setting
Storage Service	Zelected www.mteusce_bbboa_o	
Interface Grouping		
IP Tunnel		Back Next
< 2		

▲_{Note}

Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.



Step 6: To configure the WAN DNS address

Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. And

then click Next.

Tend	а	and the second
Device Info	DNS Server Configuration	
Advanced Setup	Select CMS Server Inderface from available WAN interfaces OR when status DMS server JP add	mem for the system: In ATM made, if only a single PVC with 1964 or static 1965 protocol is configural, Static 1965 server 19 addresses much be priored
Loyer2 Interface	DNUS Sierver Inderfaces can have multiple WAN interfaces served as system dra servers but	only are will be used according to the priority with the first being the logant and the test are too lowest priority if the WAU interface to connected. Priority order can be oriented by removing an end tabling them back in again
ATM Interface	Select DNS Server Interface from available WAN interfaces	
WAN Service	Selected DNS Server Available WAVI Interfaces	
Lare	Interfaces	
NAT	pepperty .	For IPv4 Setting
Security Depended Control	121	
Bandwidth Control		
Routing		
DNS		
DSL	2. November 2011 - 2011 Participation - 1	
UPoP	Primary OVS server	
Print Server	Securidary DMS serves	
Storage Service		
IP Tunnel	The Statest the method will interface for The States are information (10 order the states	TD-5 TML super-Addressing
Certificate	Vale the selecting a WAN interface for IPV6 DVS server will enable DHSPV6 Client on their inte	anna na maraona
Multicast		
IPTV	Ottain IP(6 5)(5 info from a WAI) interface:	
Wireless	Wash trues are selected: pppped (0 soppped)	For IPv6 Setting
Diágnostics	Finney Pvid DKS serve:	
management	Secondary IPv6 DVS serves	
		Box) Awr

▲_{Note}

1. DNS Server Interfaces can have multiple WAN interfaces served as system DNS servers but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

2. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered.

3. If you cannot locate the static DNS server IP information, ask your ISP to provide it.

Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.



Device Info	WAN Setup - Sumn	ary			
Advanced Setup Layer2 Interface	Make sure that the se	ttings below	atch the settings provided by your ISP.		
ATM Interface	Connection Type:	PPPoA			
ETH Interface	WAT:	Enabled			
WAN Service	Full Cone NAT:	Disabled			
LAN	Firewall	Enabled			
NAT	TGMP Multicast:	Disabled			
Security Parental Control	Quality Of Service	Enabled			
Bandwidth Control	Click "Apply/Save" to I	nave this inte	face to be effective. Click "Back" to make any modifications.		
Routing				Back	A

Step 8: When the PPPoA connection is successful, you can access the Internet.



IPv6 Only

Step 1: Click Advanced Setup > WAN Service and then click the Add button.



Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Edit the Enter Service Description. This field is optional. We recommend that you keep the default.

Select a network protocol: IPv6 Only. Click Next.

Tenda

Device Info	WAN Service Configuration	
Advanced Setup Layer2 Interface	Enter Service Description: pppoa 0_0 35	
ATM Interface	Network Protocal Selection: IPv6 Only	
WAN Service		Back Nexi

Step 4: Enter PPP username and its password provided by your ISP. Click Next.



Tenda	a	
Device Info	PPP Username and Password	
Advanced Setup	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that you	ur ISP has provided to you.
ATM Interface ETH Interface	PPP Username: PPP Passyord: Authentication Method: AUTO Y	
LAN NAT	Enable Fullcone NAT	
Security Parental Control	Dial on demand (with idle timeout timer) Enable Firewall	
Bandwidth Control Routing DNS	Use Static IPv4 Address Use Static IPv6 Address	
DSL UPnP	Enable IPv6 Unnumbered Model Launch Dhcp6c for Address Assignment (IANA)	
Print Server Storage Service	Launch Dhop6c for Prefix Delegation (IAPD) Enable PPP Debug Mode	
Interface Grouping IP Tunnel	Multicast Proxy	
Multicast	Enable IGMP Multicast Proxy Enable MLD Multicast Proxy	
Wirelace	Baok Next	

Step 5: Select a preferred wan interface as the system default IPv6 gateway. Click Next.

Tenda			nachas 😥
Device Info	Routing — Default Gateway		
Advanced Setup			
Layer2 Interface	Default gateway interface list can ha	ve multiple WAN interfaces served as sys	tem default gateways but only one will be used according to the priority with the first being the higest and the last one the lowest priority if the WAN
ATM Interface	interface is connected. Priority order	can be changed by removing all and addi	ng them back in again.
ETH Interface			
WAN Service	Selected Default	Available Routed WAN	
LAN	Gateway Interfaces	Interfaces	
NAT	(versetan)		
Security	100000		
Parental Control	-2		
Bandwidth Control			
Routing			
DNS			
DSL			
HPop			
Drint Comme	IPv6: Select a preferred wan interfac	e as the system default IPv6 gateway.	For IPv6 Setting
Franc Server	Selected WAN Interface pppoa_0_0	_35/pppoa0 🗸	
Storage Service			
Interface Grouping			[constal [from]
IP Tunnel			Back Next

Step 6: To configure the WAN DNS address, select the configured WAN interface for IPv6 DNS server information or enter the static IPv6 DNS server addresses. And then click **Next**.



Tend	3	ente (D
Device Info	DNS Server Configuration	
Advanced Setup	Solart DNS Server Interface from susaiship WAN interfaces DR enter static DNS earlier 10 addresses for the system. In	ATM mode if not/ a sincle DVP with TBnB or state TBnE motional is confinered. State DNS states ID addresses must be entered.
Layer2 Interface	DNS Server Interfaces can have multiple WAN interfaces served as system dos servers but only one will be used ac	cording to the priority with the First being the higest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by
ATM Interface	removing all and adding them back in again.	
ETH Interface		
WAN Service	Select DNS Server Interface from available WAN interfaces:	
LAN	Selected DNS Server Available WAN Interfaces	
NAT	Interfaces	
Security		
Parental Control	bbboar.	
Bandwidth Control		
Routing		
DNS		
DSI		
IIPoP		
Drint Samar	Use the following Static DNS IP address:	
Storage Service	Primary DNS server. 32.762 30	
Interface Grouping	Secondary DNS server:	
IP Tunnel		
Cortificato		
Multinact	19V6: Select the contigured WAN interface for IPv6 DNS server information OR enter the static IPv6 DNS server Addre	
IDTV	HOLE DISC ENSUING A WHILE RESIDED FOR DALL SAVE WE SHOLE UNLIVE LINER OF THE RESIDE	The ID-P Castler
Window	Obtain IPv6 DNS info from a WAN interface:	For IP vo Setting
Disconting	WAN Interface selected: ppppoa_0_0_35/ppppoa0 v	
Diagnostics	O Use the following Static (Bu6 DNS address)	
management	Primary IPv6 DNS servert	
	Counselon / TD-/C DMC ann ann	

▲_{Note}

Selecting a WAN interface for IPv6 DNS server will enable DHCPv6 Client on that interface.

Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

Device Info	^	WAN Setup - Summ	ary							
Advanced Setup Layer2 Interface		Make sure that the set	ttings belov	match	the setti	ings prov	ided by yo	ur ISP.		
ATM Interface		Connection Type:	PPPoA							
ETH Interface		NAT:	Enabled							
WAN Service		Full Cone NAT:	Disabled							
LAN		Firewall:	Enabled							
NAT		IGMP Multicast:	Disabled							
Security Parental Control		Quality Of Service:	Enabled							
Bandwidth Control Routing		Click "Apply/Save" to I	have this in	erface to	o be eff	ective. Cl	ick "Back"	to make a	ny modificat	ions.
DNS									Buch	, approv

Step 8: When the PPPoA connection is successful, you can access the Internet.



IPoA

If you have selected the **IPoA** from the **ATM Interface** screen in **Layer2 Interface**, you will see the screen above when you click the **WAN Service** tab, select the configured interface and click **Next**.

Step 1: Click Advanced Setup > WAN Service and then click the Add button.



Step 2: Select the ATM interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Edit the Enter Service Description. This field is optional. We recommend that you keep the default. Click Next.



Teno	da		
Device Info Advanced Setup	^	WAN Service Configuration	
Layer2 Interface ATM Interface ETH Interface			Back Next
WAN Service			

Step 4: Enter the WAN IP address and subnet mask which should have been provided to you by your ISP. If you cannot locate this information, ask your ISP to provide it. And then click **Next**.

Device Info	WAN IP Settings	
Advanced Setup	Enter information provid	ded to you by your ISP to configure the WAN IP settings.
ATM Interface	WAN IP Address:	192.168.100.58
ETH Interface	WAN Subnet Mask:	255.255.255.0
WAN Service		
LAN		Back Nex
NAT		

WAN IP Address: The Internet IP address provided by your ISP for accessing the Internet.

WAN Subnet Mask: The subnet mask address provided by your ISP for accessing the Internet.

Step 5: Keep the defaults if you are unsure about the options on the screen below and click Next.

Tend	a
Device Info	Network Address Translation Settings
Advanced Setup	
Layer2 Interface	Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).
ATM Interface	
ETH Interface	Enable NAT
WAN Service	Enable Fullcone NAT
LAN	
NAT	
Security	
Parental Control	IGMP Multicast
Bandwidth Control	Enable IGMP Multicast
Routing	
DNS	Back Next
DSL	



Step 6: To configure the WAN gateway address. After you configure it click Next. The default setting is recommended.

Tend	a	Home Page 🧔
Device Info	Routing Default Gateway	
Advanced Setup		
Layer2 Interface		
ATM Interface	Default gateway interface list can have mult	iple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the
ETH Interface	lowest priority if the WAN interface is conn	ected. Priority order can be changed by removing all and adding them back in again.
WAN Service		
LAN	Selected Default	Available Routed WAN
NAT	Gateway Interfaces	Interfaces
Security		
Parental Control	ipoa0 🔺	A
Bandwidth Control		
Routing		
DNS	4-	
DSL		
UPnP		
Print Server	Ŧ	v
Storage Service		
Interface Grouping		
IP Tunnel		
Certificate		
Multicast		
IPTV		
Wireless		Back Next

▲_{Note}

Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Step 7: Configure the WAN DNS Server configuration according to your ISP.

-Click the Select DNS Server Interface from available WAN interfaces option;

-Or select the Use the following Static DNS IP address option and enter static DNS server IP addresses for the system.

And then click Next.

Tenda	Home Page
Device Info	DNS Server Configuration
Advanced Setup	
Layer2 Interface	Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured,
ATM Interface	Static DNS server IP addresses must be entered.
ETH Interface	DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the first being the higest and the last one the lowest
WAN Service	priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.
LAN	
NAT	Select DNS Server Interface from available WAN interfaces:
Security	Selected DNS Server
Parental Control	Interfaces Available WAN Interfaces
Bandwidth Control	
Routing	
DNS	
DSL	
UPnP	
Print Server	
Storage Service	
Interface Grouping	v v
IP Tunnel	
Certificate	Use the following Static DNS IP address:
Multicast	Primary DNS server:
IPTV	Secondary DNS server:



Step 8: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

Tenda	7	
Device Info	WAN Setup - Summ	mary
Advanced Setup Layer2 Interface ATM Interface	Make sure that the set	attings below match the settings provided by your ISP.
ETH Interface	Connection Type:	IPoA
WAN Service	NAT:	Enabled
LAN NAT	Full Cone NAT:	Disabled
Security	Firewall:	Enabled
Parental Control	IGMP Multicast:	Disabled
Bandwidth Control Routing	Quality Of Service:	: Enabled
DNS		
DSL	Click "Apply/Save" to) have this interface to be effective. Click "Back" to make any modifications.
UPnP		Back Apply/Save
Print Server		

Step 9: IPoA WAN service setup parameter is shown as below.

Tend	a												
Device Info	k				Wide	Area Netwo	rk (WAN)	Service	Setup				
Advanced Setup Layer2 Interface			Ch	ioose A	dd, Remove or	Edit to config	gure a WA	N service	over a sel	ected inter	rface.		
ATM Interface		Interface	Description	Туре	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewall	IPv6	Mld	Remove	Edit
ETH Interface		ipoa0	ipoa_0_0_35	IPoA	N/A	N/A	Disabled	Enabled	Enabled	Disabled	Disabled		Edit
LAN	l l	·									<u> </u>		
NAT								_					
Security						Add	Remov	е					
Parental Control	1												

To Set up WAN Service for ETH Interface

Three Internet connections: PPP over Ethernet (PPPoE), IP over Ethernet (IPoE) and Bridging are available in the

Ethernet uplink mode.

If you selected and configured the ETH Interface (Ethernet uplink), follow steps below to configure the WAN service:



eth0, eth1, eth2 and eth3 respectively represent the LAN port1, LAN port2, LAN port3 and LAN port4 of the device.



PPP over Ethernet (PPPoE)

IPv4

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Tenda	
	Wide Area Network (WAN) Service Setup
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.
Advanced Setup	Interface Description Type Vlan802.1p VlanMuxId Igmp NAT Firewall IPv6 Mid Remove Edit
Layer2 Interface	
ATM Interface	Add Remove
ETH Interface	
WAN Service	
LAN	

Step 2: Select the ETH interface you added just now from the pull-down menu in the figure below. Click Next.

Ter reie	WAN Service Interface Configuration
Device Info Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service	Select a layer 2 interface for this service Note: For ATM interface, the descriptor string is (portid_vpi_vci) For PTM interface, the descriptor string is (portid_high_low) Where portid=0 -> DSL Latency PATH0 portid=1 -> DSL Latency PATH1 portid=4 -> DSL Latency PATH08.1 low =0 -> Low PTM Priority not set low =1 -> Low PTM Priority not set high =0 -> High PTM Priority not set high =1 -> High PTM Priority set
LAN	
Security	Back Next
Parental Control	

Step 3: Select PPP over Ethernet. Edit the Enter Service Description. This field is optional. We recommend that you

keep the default. Select a network protocol: IPv4 Only. And click Next.



Tenda	
Device Info Advanced Setup Layer2 Interface	WAN Service Configuration Select WAN service type: PPP over Ethernet (PPPoE) TP over Ethernet Bridging
ATM Interface ETH Interface	Enter Service Description: pppoe_eth0
WAN Service	For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID. For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.
NAT Security	Enter 802,10 VLAN ID [0-4094] -1
Parental Control Bandwidth Control	Network Protocal Selection: IPV4 Only
Routing DNS	Back Next

Step 4: Enter the PPP username and password provided by your ISP. If you are not sure about other options, just leave them unchanged from defaults. And click **Next**.

Tenda	
Device Info	PPP Username and Password
Advanced Setup	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.
Layer2 Interface	
ATM Interface	PPP Username!
ETH Interface	PPP Password
WAN Service	PPPOE Service Name:
LAN	Authentication Method: AUTO
NAT	
Security	MAC Clone:
Parantal Control	MTU: 1492 (576-
Parentar control	1492, default: 1492)
Bandwidth Control	Enable Fulkone NAT
Routing	
DNS	Dial on demand (with idle bimeout timer)
DSL	PPP IP extension
UPnP	
Print Server	
Storage Service	
Interface Grouping	Enable PPP Lebug Mode
IP Tunnel	Bridge RPPoE Frames Between WAN and Local Ports
Certificate	
Multicast	Multimet Buone
IPTV	Enable 1000 Multimate Drovie
Woolace	Change real house server monorest class
$\langle \rangle$	Back Nast

PPP Username: This is for logging in to your ISP. If you cannot locate this information, ask your ISP to provide it. **PPP Password:** This is for logging in to your ISP. If you cannot locate this information, ask your ISP to provide it. **PPPoE Service Name:** This information is provided by your ISP. Only enter it if instructed by your ISP.



Authentication Method: This is used by ISP to authenticate the client that attempts to connect. If you are not sure, consult your ISP or select Auto.

MAC Clone: Clicking **Clone MAC** button copies the MAC address of your PC to the router. Many broadband ISPs restrict access by allowing traffic only from the MAC address of your broadband modem, but some ISPs additionally register the MAC address of the network interface card in your computer when your account is first opened. They then accept traffic only from the MAC address of that computer. If so, configure your router to "clone" the MAC address from the authorized computer.

MTU: Short for *Maximum Transmission Unit*, the largest physical packet size, measured in bytes, which a network can transmit. Any messages larger than the MTU are divided into smaller packets before being sent. The default MTU is 1492 bytes. For some ISPs, you might need to change the MTU. This is rarely required, and should not be done unless you are sure it is necessary for your ISP connection.

Dial on demand: Connect to ISP only when there is traffic transmission. This saves your broadband Internet service bill.

PPP IP extension: If enabled, all the IP addresses in outgoing packets including management packets on the WAN port will be changed to the device's WAN IP address. Only change the default settings if necessary.

Enable PPP Debug Mode: Only enable this feature if supported by your ISP.

Bridge PPPoE Frames Between WAN and Local Ports: If enabled, PPPoE dialup frame from LAN side will directly egress the WAN port without modification.

Multicast Proxy: If enabled, the router will use multicast proxy.

Tenda	1	Santhar (E)
Device Info	Routing – Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can h	nave multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the
ATM Interface	lowest priority if the WAN interfac	e is connected. Priority order can be changed by removing all and adding them back in again.
ETH Interface		
WAN Service	Selected Default	Available Routed WAN
LAN	Gateway Interfaces	Interfaces
NAT	00001	
Security	ppport	
Parental Control	-	
Bandwidth Control	<	
Routing		
DNS		
DSL		
UPnP		
Print Server		
Storage Service		
Interface Grouping		
IP Tunnel		Back Next

Step 5: Configure the WAN gateway address. After you configure it click Next. The default setting is recommended.

Tenda

Step 6: Configure the WAN DNS address according to your ISP.

-Click the Select DNS Server Interface from available WAN interfaces option;

-Or select the Use the following Static DNS IP address option and enter static DNS server IP addresses for the system.

And then click Next.



Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

evice Info	WAN Setup - Summ	агу			
dvanced Setup Layer2 Interface	Make sure that the set	tings below match the settir	igs provided by your ISP.		
ATM Interface	Connection Type:	PPPOE			
ETH Interface	NAT:	Enabled			
WAN Service	Full Cone NAT:	Disabled			
LAN	Finewall:	Enabled			
NAT	IGMP Multicast:	Disabled			
Security Parental Control	Quality Of Service:	Disabled			
Bandwidth Control	Click "Apply/Save" to I	ave this interface to be effe	ctive. Click "Back" to make a	ay modification	ns.
Routing				Back	Apply/Save

When the PPPoE connection is successful, you can access the Internet.



Device Info		c	hoose A	Wide Add, Remove o	e Area Netwo	ork (WA) gure a W	I) Servic AN service	e Setup e over a se	elected inte	erface.		
Advanced Setup	Interface	Description	Түре	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
ATM Interface	ppp0.1	pppoe_eth0	PPPoE	N/A	N/A.	Disabled	Enabled	Enabled	Disabled	Disabled		Edit
ETH Interface					Add	Remo	ove					

IPv4 & IPv6 (Dual Stack)

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Tenda	
	Wide Area Network (WAN) Service Setup
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.
Advanced Setup	Interface Description Type Vian802.1p VianMuxId Igmp NAT Firewall IPv6 Mid Remove Edit
Layer2 Interface	
ATM Interface	Add Remove
ETH Interface	
WAN Service	
LAN	

Step 2: Select the ETH interface you added just now from the pull-down menu in the figure below. Click Next.

	WAN Service Interface Configuration
Device Info Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service	Select a layer 2 interface for this service Note: For ATM interface, the descriptor string is (portId_vpi_vo) For PTM interface, the descriptor string is (portId_high_low) Where portId=0 -> DSL Latency PATH0 portId=1 -> DSL Latency PATH1 portId=4 -> DSL Latency PATH081 low =0 -> Low PTM Priority not set low =1 -> Low PTM Priority set high =0 -> High PTM Priority not set high =1 -> High PTM Priority set
LAN	
	Back Next

Step 3: Select PPP over Ethernet. Edit the Enter Service Description. This field is optional. We recommend that you keep the default. Select a network protocol: IPv4&IPv6 (Dual Stack). And click Next.



Tenc	a
Device Info Advanced Setup Layer2 Interface	WAN Service Configuration Select WAN service type: O PPP over Ethernet (PPPoE) IP over Ethernet O Bridging
ATM Interface ETH Interface WAN Service	Enter Service Description: pppoe eth0
LAN	For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID. For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.
Security Parental Control	Enter 802.1Q VLAN ID [0-4094]:
Bandwidth Control Routing	Network Protocal Selection: IPv4&IPv6(Dual Stack)
DNS DSL	Back Next

Step 4: Enter PPP username and PPP password provided by your ISP. Check Launch Dhcp6c for Prefix Delegation (IAPD). If your ISP is using stateful DHCPv6, check Launch Dhcp6c for Address Assignment (IANA) also. Or configure a static IP address.

- Aller and a	
ena	
	PPP Username and Password
Device Into	Refer 7 15 and a rest and a rest of a rest of the rest
Advanced Setup	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.
Layer2 Interface	
ATM Interface	PPP Username:
ETH Interface	PPP Password
WAN Service	PPPoE Service Name:
LAN	Authensication Method: AUTO V
NAT	Market The Provide State
Security	
Parental Control	MTU: 1482 (576-
Bandwidth Control	
Routing	
DNS	Dial on demand (with title timer)
DSL	
UPnP	
Print Server	
Storage Service	Use Static IPV4 Address
Interface Grouping	Use Static IPv6 Address
IP Tunnel	Enable IPv6 Unnumbered Model
Certificate	Launch Dhopfit for Address Assignment (IANA)
Multicast	Launch Dircp6c for Prefix Delegation (IAPD)
IPTV	Enable PPP Debug Moder
Wireless	Bridge PPPoE Frames Between WAN and Local Ports
Diagnostics	
Management	
	Multicast Proxy
	Enable 1GMP Multicast Prosy
1	Enable MLD Multicast Proxy
http://192.168.1.1/dsl	atm.cmd Back Next



Step 5: Select a avaliable WAN interface as the system default gateway. Then click Next.

Tenda	7	Hannelaga 🥏
Device Info	Routing — Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can have multiple WAN interfaces served as sys	tem default gateways but only one will be used according to the priority with the first being the higest and the last
ATM Interface	one the lowest priority if the WAN interface is connected. Priority order can b	e changed by removing all and adding them back in again.
ETH Interface		
WAN Service	Selected Default Available Routed WAN	
LAN	Gateway Interfaces Interfaces	
NAT	D000 1	For IPv4 Setting
Security	Abbe 1	
Parental Control	>	
Bandwidth Control	<.	
Routing		
DNS		
DSL		
UPnP		
Print Server	IPv6: Select a preferred wan interface as the system default IPv6 gateway.	For IPv6 Setting
Storage Service	Selected WAN Interface pppoe_eth0/ppp0.1 V	A State State
Interface Grouping		
TP Tunnel		Dark Marce
		Dack Next

Step 6: Configure DNS server (Select an available DNS server interface or use a specified DNS server); configure IPv6

DNS server (Obtain IPv6 DNS info from a WAN interface or use a specified DNS server), and then click Next.

Tenda	3	nord Die (🔎
Device Info	DNS Server Configuration	
Advanced Setup	Select DNS Server Interface from available WAN interfaces OR enter static DNS	server IP addresses for the system, in ATM mode, if only a sincle PVCI with IPoA or static IPoE protocol is configured. Static DNS server IP addresses must be antered.
Layer2 Interface	DNS Server Interfaces can have multiple WAN interfaces served as system i	drs servers but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by
WAN Service	removing all and adding them back in again.	
LAN		
NAT	O Select DNS Server Interface from available WAN interfaces:	
Security	Selected DNS Server Available WAN	
Dreamtal Control	Interfaces Interfaces	
Parental Control		
Bandwiddi Courroi	ppp0.1	EnerDiv() Softing
Routing	_	i or rever become
ONS	<i>N</i>	
DSL	6	
UPnP		
Print Server		
Storage Service		
Interface Grouping	Use the following Static DNS IP address:	
IP Tunnel	Primary DNS server: 192,163.100.1	
Certificate	Secondary DNS server:	
Multicast		
IPTV		
Winnland	IPv6: Select the configured WAN interface for IPv6 DNS server information OR	enter the static JPv6 DNS server Addresses.
Win encos	Note that selecting a WAN interface for IPv6 DNS server will enable DHCPv6 C	Sient on that interface.
Diagnostics		
Managemenc	 Obtain IPU6 DNS info from a WAN interface) 	
	WAN Interface selected) pppoe_eth0/ppp0.1 v	East Dave Continue
	Q Use the following Static IPv6 DN5 address:	Lot the general d
	Primary 1Pv6 DNS server:	
	Secondary IPv6 DNS server:	

Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.



Info ^	WAN Setup - Sumn	nary			
ced Setup r2 Interface	Make sure that the set	ttings below mate	the settings provide	d by your ISP.	
Service	Connection Type:	Bridge			
	NAT:	Disabled			
	Full Cone NAT:	Disabled			
rity	Firewall:	Disabled			
al Control	IGMP Multicast:	Not Applicable			
ridth Control Ia	Quality Of Service:	Disabled			
	Click "Apply/Save" to	have this interfac	to be effective. Click	"Back" to make an	v modifications
	and oppingers of	THE STRATEGICS	ne es aracena di c	- Rect, to make di	Back

When the PPPoE connection is successful, you can access the Internet.

evice Info	Wide Area Network (WAN) Service Setup Choose Add, Remove or Edit to configure a WAN service over a selected interface.											
dvanced Setup	Interface	Description	Туре	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
Layer2 Interface	ppp0.1	pppoe_eth0	PPPoE	N/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled		Edit
ATM Interface												

IPv6

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

	Wide Area Network (WAN) Service Setup
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.
Advanced Setup	Interface Description Type Vlan802.1p VlanMuxId Igmp NAT Firewall IPv6 Mld Remove Edit
Layer2 Interface	
ATM Interface	Add Remove
ETH Interface	
WAN Service	
LAN	

Step 2: Select the ETH interface you added just now from the pull-down menu in the figure below. Click Next.



	WAN Service Interface Configuration
Device Info Advanced Setup Layer2 Interface ETH Interface WAN Service LAN	Select a layer 2 interface for this service Note: For ATM interface, the descriptor string is (portId_vpi_vd) For PTM interface, the descriptor string is (portId_high_low) Where portId=0 -> DSL Latency PATH0 portId=1 -> DSL Latency PATH1 portId=4 -> DSL Latency PATH081 low =0 -> Low PTM Priority not set low =1 -> Low PTM Priority set high =0 -> High PTM Priority set high =1 -> High PTM Priority set
NAT	Back Next

Step 3: Select PPP over Ethernet. Edit the Enter Service Description. This field is optional. We recommend that you

keep the default. Select a network protocol: IPv6 Only. And click Next.

iena	WAN Service Configuration	
Device Info	Select WAN service type	
Advanced Setup	 PPP over Ethernet (PPPoE) IP over Ethernet 	
Layer2 Interface	O Bridging	
ATM Interface		
ETH Interface	Enter Service Description: pppoe_eth0	
WAN Service	For tagged service, enter valid 802.1P Priority and 802.1Q VLAN IQ. For unlarged service, set 1 to both 802.1P Priority and 802.1Q VLAN IQ.	
LAN	Tor unagges survey see 1 to sour books, month and books of them	
NAT	Enter 802.1P Priority [0-7]:	-1
Security	Enbar 802.1Q VLAN ID [0-4094]:	-1
Parental Control	Network Protocal Selection:	
Bandwidth Control	IPv6 Only	
Routing		
DNS		Back Next

Step 4: Enter PPP username and PPP password provided by your ISP. Check Launch Dhcp6c for Prefix Delegation (IAPD). If your ISP is using stateful DHCPv6, check Launch Dhcp6c for Address Assignment (IANA) also. Or configure a static IP address.


Tenda	
	PPP Username and Password
Device Info	
Advanced Setup	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.
Layer2 Interface	
ATM Interface	RPP Usemame;
ETH Interface	PPP Password
WAN Service	PPPpE Service Name:
LAN	Authentication Method: AUTO V
NAT	And and Andrews
Security	MAC Clone:
Parental Control	MTU: 1492 [576-
Bandwidth Control	
Routing	Enable Automa NA
DNS	
DSL	Des tri demetro (virdi de directo directo directo)
UPnP	
Print Server	M Enable FireWall
Storage Service	Use Static IPv4 Address
Interface Grouping	Use Static IPv6 Address
IP Tunnel	Enable IPv6 Unnumbered Model
Certificate	Launth Dhopic for Address Assignment (IANA)
Multicast	Launch Dhop6c for Prefix (Delegation (IAPD)
IPTV	Enable PPP Dabug Moder
Wireless	Bridge PPPoE Frames Between WAN and Local Ports
Diagnostics	
Management	Multicast Proxy
	Enable IGMP Multicast Proxy
	Enable MLD Multicast Proxy
	Back Next

Step 5: Select a preferred WAN interface from the WAN interface lise as the system default IPv6 gateway. Click Next.

Tenda		senter 🕖
Device Info	Routing Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can h	nave multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the higest and the last one the lowest priority if the WAN
ATM Interface	interface is connected. Priority orde	er can be changed by removing all and adding them back in again.
ETH Interface		
WAN Service	Selected Default	Available Routed WAN
LAN	Gateway Interfaces	Interfaces
NAT	CONT OF CONTRACT OF CONTRACT.	
Security	ETE :	
Parental Control	4	
Bandwidth Control		
Routing		
DNS		
DSL		
UPnP	-	
Print Server	IPv6: Select a preferred wan interfa	are as the system default IPv6 gateway. For IPv6 Setting
Storage Service	Selected WAN Interface pppoe_eth	δύρρο 1 Υ
Interface Grouping		
IP Tunnel		Back Hext

Step 6: Select the configured WAN interface for IPv6 DNS server information or use a static IPv6 DNS server address. Note that selecting a WAN interface for IPv6 DNS server will enable DHCPv6 Client on that interface. And then click **Next**.

Wireless N300 ADSL2+ High Power Modem Router

Tenda	n en
Device Info	DHS Server Configuration
Advanced Setup	Salect DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the avatem. In ATM mode, if only a linde PVC with IPAA or static IPAE protocol is confound. Static DNS server IP addresses fruit be entered.
Layer2 Interface	DNS Server Interfaces can have multiple WAN interfaces served as system dos servers but only one will be used actording to the priority with the first being the Figure and the law one the lowest priority if the WAN interfaces is connected. Priority order can be idvanged by
ATM Interface	removing all and adding them back in aspan.
ETH Interface	
WAN Service	Select DNS Server Interface from available WAV interfaces
LAN	Selected DNS Servar Available WAN
NAT	Interfaces Interfaces
Security	
Parental Control	ppp0.1
Bandwidth Control	
Bouting	
DNS	
DEL	
USL UB-D	
Dent France	
Print Server	Use the following Static DRS 1P address:
Storage Service	HYTTERY (JUNS SERVE) INC. LO. LO.
Interface Grouping	skondary bits server
IP Tunnel	
Certificate	IPv6I Select the confound WAN interface for TPv6 DNS server information OR enter the static IPv6 DNS server Addresses.
Multicast	Note that selecting a WAN interface for IPvE DNS server will enable DHCPvE Client on that interface.
IPTV	
Wireless	Obtain IPv6 DNS info from a WAN interface:
Diagnostics	WAN Inserface selected: popoe_eth0/pop0.1 v For/IPv6 Setting
Management	O Use the following Static IPv6 DNS address:
	Primary IIIv6 DNS server:
	Secondary IPv6 DMS server

Step 7: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

Device Info	WAN Setup - Summ	ary				
dvanced Setup Layer2 Interface	Make sure that the se	ttings below match	the settings provid	led by your ISP.		
ATM Interface	Connection Type:	PPPoE				
ETH Interface	NAT:	Enabled				
WAN Service	Full Cone HAT:	Disabled				
LAN	Firewall:	Enabled				
NAT	IGMP Multicast:	Disabled				
Security Parental Control	Quality Of Service:	Disabled.				
Bandwidth Control	Click "Apply/Save" to	have this interface	o be effective. Clic	ik "Back" to make an	y modificatio	ns.
Routing					Back	Apply/Sa

When the PPPoE connection is successful, you can access the Internet.

Tenda

				Wide	Area Netwo	ork (WAP	() Service	a Setup				
Device Info		c	hoose A	ldd, Remove o	r Edit to confi	gure a W/	AN service	over a se	lected inti	erface.		
Advanced Setup	Interface	Description	Type	Vlan802 1n	VlanMugid	Iamn	NAT	Firewall	TPV6	Mid	Remove	Edi
Layer2 Interface	ppp0.1	pppoe_eth0	PPPoE	N/A	N/A	Disabled	Disabled	Enabled	Enabled	Disabled		Edi
ATM Interface												



IP over Ethernet (IPoE)

If your ISP uses DHCP to assign your IP address or if your ISP assigns you a static (fixed) IP address, IP subnet mask and the gateway IP address, you need to select the IP over Ethernet (IPoE).

IPv4

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Tenda	
	Wide Area Network (WAN) Service Setup
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.
Advanced Setup	Interface Description Type Vlan802.10 VlanMuxId Igmp NAT Firewall IPv6 Mld Remove Edit
Layer2 Interface	
ATM Interface	Add Remove
ETH Interface	
WAN Service	
LAN	

Step 2: Select the ETH interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Select **IP over Ethernet** as WAN service type. Edit the **Enter Service Description.** This field is optional. We recommend that you keep the default. Select a network protocol: **IPv4 Only**. And then click **Next**.



	WAN Service Configuration	
Device Info	Select WAN service type:	
Advanced Setup	O PPP over Ethernet (PPPoE)	
Laver2 Interface	IP over Ethernet	
copert alleringe	O Bridging	
ATM Interface		
ETH Interface	Enter Service Description: ippe eth0	
WAN Service		
Lan	For tagged service, enter valid 802.1P Priority and 8	302.1Q VLAN ID.
LAN	For untagged service, set -1 to both 802.1P Priority a	and 802.1Q VLAN ID,
NAT	Enter 802,1P Priority [0-7]:	-1
Security	Enter 802.1Q VLAN ID [0-4094]:	-1
Parental Control		
Boodwidth Control	Network Protocal Selection:	
Ballowidth Collcroi	IPV4 Only 💙	
Routing		

Step 4: Enter the IP address/subnet mask/gateway IP address provided by your ISP or select Obtain an IP address automatically and then click the Next button.

Device Info	WAN IP Settings		
Advanced Setup Layer2 Interface	Enter information provided Notice: If "Obtain an IP ad	f to you by your ISP to dress automatically" is	configure the WAN IP settings. chosen, DHCP will be enabled for PVC in IPoE mode.
ATM Interface ETH Interface	If "Use the following Static	IP address" is chosen	enter the WAN IP address, subnet mask and interface gateway.
WAN Service	Obtain an IP address Option 60 Vendor ID: Option 61 IAID:	automatically	(8 bexadecimal dinits)
NAT Security	Option 61 DUID: Option 125:	Disable	(hexadecimal digit) © Enable
Parental Control Bandwidth Control	O Use the following St. WAN IP Address:	atic IP address:	
Routing DNS	WAN Subnet Mask: WAN gateway IP Address:		
UPnP			Finite Nove

Obtain an IP address automatically: This allows the router to automatically acquire IP information from your ISP or your existing networking equipment.

Use the following Static IP address: This allows you to specify the Static IP information provided by your ISP or that



corresponds with your existing networking equipment.

WAN IP Address: The Internet IP address provided by your ISP for accessing the Internet.

WAN Subnet Mask: The subnet mask address provided by your ISP for accessing the Internet.

WAN gateway IP Address: The gateway IP address provided by your ISP for accessing the Internet.

Step 5: Here you can configure the NAT. If you are not an advanced user we recommend you to keep the default settings and then click **Next**.

Teno	la	
Device Info	^	Network Address Translation Settings
Advanced Setup		Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).
Layer2 Interface		
ATM Interface		Enable NAT
ETH Interface		Enable Fullcone NAT
WAN Service		Enable Firewall
LAN		
NAT		IGMP Multicast
Security		Enable IGMP Multicast
Parental Control		
Bandwidth Control		Back. Next

Step 6: Here you can configure the WAN gateway address. After you configure it click Next. The default setting is

recommended.

Tena	a)r		tame tage 🧔
Device Info	~	Routing Default Gateway	5	
Advanced Setup				
Layer2 Interface		Default gateway interface list car	have multiple WAN interfaces served as system de	fault gateways but only one will be used according to the priority with the first being the higest and the last
ATM Interface		one the lowest priority if the WA	I interface is connected. Priority order can be chang	ed by removing all and adding them back in again.
ETH Interface				
WAN Service		Selected Default	Available Routed WAN	
LAN		Gateway Interfaces	Interfaces	
NAT		oth0 1		
Security		culu. 1		
Parental Control		->		
Bandwidth Control				
Routing				
DNS				
OSL		×		
UPnP				
Print Server				
Storage Service				
Interface Grouping				
IP Tunnel	2			Back Next

Step 7: Here you can configure the WAN DNS address.

-Click the Select DNS Server Interface from available WAN interfaces option;

-Or select the Use the following Static DNS IP address option and enter static DNS server IP addresses for the system.



And then click Next.

Tenda	Hereaface 🥏
Device Info	DNS Server Configuration
Advanced Setup Layer2 Interface	Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered.
ATM Interface ETH Interface	DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the first being the higest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.
WAN Service LAN NAT Security	Select DNS Server Interface from available WAN interfaces: Selected DNS Server Interfaces Interfaces
Parental Control Bandwidth Control Routing DNS DSL UPNP	
Print Server Storage Service Interface Grouping IP Tunnel	Use the following Static DNS IP address: Primary DNS server: Secondary DNS server:

Step 8: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

Device Info	WAN Setup - Summ	ary					
Advanced Setup Layer2 Interface	Make sure that the se	ttīngs below	atch the setting	as provided by	your ISP.		
ATM Interface	Connection Type:	IPoE					
ETH Interface	NAT:	Enabled					
WAN Service	Full Cone NAT:	Disabled					
LAN	Firewall:	Enabled					
NAT	IGMP Multicast:	Disabled					
Security Parental Control	Quality Of Service:	Disabled					
Bandwidth Control	Click "Apply/Save" to	have this inte	ace to be effec	tive. Click "Bac	k" to make any	modification	ns.
Routing						Back	Apply/S

When the IPoE connection is successful, you can access the Internet.



Device Info		D	hoose /	Wide Add, Remove d	e Area Netw	igure a W	N) Servic	e Setup e over a s	elected int	erface,		
Advanced Setup	Interface	Description	Туре	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewali	IPv6	Mid	Remove	Edit
Layer2 Interface ATM Interface	eth0.1	ipoe_eth0	IPoE	N/A	N/A	Disabled	Enabled	Enabled	Disabled	Disabled		Edit
ATM Interface FTH Interface		the Contra	1.02	1411	ons.	1		Linderca	Dicapita -	Produces		

IPv4 & IPv6 (Dual Stack)

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Tenda	
	Wide Area Network (WAN) Service Setup
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.
Advanced Setup	Interface Description Type Vian802.10 VianMuxId Ignn NAT Firewall IPv6 Mid Remove Edit
Layer2 Interface	
ATM Interface	Add Remove
ETH Interface	
WAN Service	
LAN	

Step 2: Select the ETH interface you added just now from the pull-down menu in the figure below. Click Next.

	WAN Service Interface Configuration
Device Info Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service	Select a layer 2 interface for this service Note: For ATM interface, the descriptor string is (portId_vpi_vd) For PTM interface, the descriptor string is (portId_high_low) Where portId=0 -> DSL Latency PATH0 portId=1 -> DSL Latency PATH08.1 low =0 -> Low PTM Priority not set low =1 -> Low PTM Priority set high = 0 -> High PTM Priority set high = 1 -> High PTM Priority set
LAN	eth0/eth0 🗸
NAT	Back Next
Security	
Parental Control	

Step 3: Select **IP over Ethernet** as WAN service type. Edit the **Enter Service Description.** This field is optional. We recommend that you keep the default. Select a network protocol: **IPv4&IPv6 (Dual Stack)**. And then click **Next**.



	WAN Service Configuration	
Device Info	Select WAN service type:	
Advanced Setup	PPP over Ethernet (PPPoE)	
in a mineral of seath	IP over Ethernet	
Layer2 Interface	O Bridging	
ATM Interface		
ETH Interface	Enter Service Description: poe eth0	
WAN Service		
LAN	For tagged service, enter valid 802.1P Priority and 802.1Q VL For untagged service, set -1 to both 802.1P Priority and 802.	an id. 10 Vlan id.
NAT	Enter 802.1P Priority [0-7]:	-1
Security	Enter 802,1Q VLAN ID [0-4094]:	-1
Parental Control		
Bandwidth Control	Network Protocal Selection: IPv4&IPv6(Dual Stack) V	
Routing		
DNS		Back Nex
051		

Step 4: Enter information provided by your ISP to configure the WAN IP settings.

Tenda	7	
Device Info Advanced Setup Layer'2 Interface	Enter information provided to you by your ISP to configure the WAN IP serings. Notice: If "Obtain an IP address automatically" is chosen, DHCP will be enabled fi If "Use the following Static IP address" is chosen, enter the WAN IP address, sub-	or PVC in IPoE mode. Het mask and interface gateway.
ATM Interface	Obtain an IP address automatically	1
ETH Interface	Option 60 Vandor ID:	
WAN Service	Option 61 IAJD (8 hexadecimal digits)	Exe IDv.4
LAN	Option 61 DUID: (hexadecimal digit)	POLIFV4
NAT	Option 1251	
Security	Use the following Static IP address:	
Parental Control	WAN IP Address	
Bandwidth Control	WAN Subnet Maskr	
Routing	WAN gateway IP Address	
DNS		
DSL	Enter information provided to you by your ISP to configure the WAN IPV6 setting	5.
UPnP	Nobice:	
Print Server	If "Obtain an IPv6 address automatically" is chosen, DHCPv6 Client will be enabl	ed on this WAN interface.
Storage Service	If "Use the following Static IPv6 address" is chosen, enter the static WAN IPv6 ad	dress. If the address prefix length is not specified, it will be default to /64.
Interface Grouping		
IP Tunnel		
Certificate	Obtain an IPv6 address automatically	
Multicast	Dhcpv6 Address Assignment (IANA)	
IPTV	Dhcov6 Prefix Delegation (IAPD)	For IPv6
Wireless	O Use the following Static IPv6 address:	1.51.51.7.5
Diagnostics	WAN IPv6 Address/Prefix Length	
Management		
	Specify the Next Hon TDu6 address for this WAN interface.	
	Notice: This address can be Bither a link local or a clobal unicest IPu6 address.	
	WAN Nets-Hop IPv6 Address:	



Step 5: Here you can configure the NAT. If you are not an advanced user we recommend you to keep the default settings

and then click Next.

Tena	a	
Device Info	^	Network Address Translation Settings
Advanced Setup Layer2 Interface		Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).
ATM Interface		Enable NAT
ETH Interface		Enable Fullcone NAT
WAN Service		Enable Firewall
LAN		
NAT		IGMP Multicast
Security		Enable IGMP Multicast
Parental Control		
Bandwidth Control		Enable MLD Multicast Proxy
Routing		Back Next
DNS		

Step 6: Configure a WAN interface as the default gateway.

Tenda		have base 🧔
Device Info	Routing — Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can have multiple WAN interfaces served as system	n default gateways but only one will be used according to the priority with the first being the higest and the last
ATM Interface	one the lowest priority if the WAN interface is connected. Priority order can be c	hanged by removing all and adding them back in again.
ETH Interface		
WAN Service	Selected Default Available Routed WAN	
LAN	Gateway Interfaces Interfaces	
NAT	ath0.1	Ent IDu 1
Security	euro.	CONTRA-
Parental Control		
Bandwidth Control	<	
Routing		
DNS		
DSL		
UPnP		
Print Server	IPv6: Select a preferred wan interface as the system default IPv6 gateway.	For IPv6
Storage Service	Selected what miteriace poe_emoreni0.1 V	
Interface Grouping		
IP Tunnel		Back Next

Step 7: Configure DNS server (Select an available DNS server interface or use a specified DNS server); configure IPv6 DNS server (Obtain IPv6 DNS info from a WAN interface or use a specified DNS server), and then click **Next**.



Tend	а	tore inc. 😥
evice Info dvanced Setup	DNS Server Configuration	
Layer2 Interface ATM Interface ETH Interface	Select DNS Server Interface from available WAN interfaces OR enter stack DNS server IP addr DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but adding them back in again.	esses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered. only one will be used according to the priority with the first being the highert and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and
LAN NAT Security	Select DNS Server Interface from available WAN interfaces: Selected DNS Server Interfaces Interfaces	
Parential Control Bandwidth Control Routing DNS DSL UPnP Print Server Storana Service	e#31	For IPv4
Interface Grouping IP Tunnel Certificate Multicast IPTV	Use the following Static DNS IP address: Primary DNS server: Secondary DNS server:	
Wireless Diagnostics Management	JPv6: Select the configured WAN interface for JPv6 DNS server information OR enter the static Note that selecting a WAN interface for JPv6 DNS server will enable DHCPv6 Client on that into	IPr6 DNS server Addresses.
	Obtain ID+5 DNS info from a WAN interface: WAN Interface selected: ipoe_ethOleth0.1 C Use the following Static ID+6 DNS address: Primary ID+6 DNS server: Secondary ID+6 DNS server:	For IPv6
		(Back) Next

Step 8: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

Device Info	WAN Setup - Summ	ary
Advanced Setup Layer2 Interface WAN Service	Make sure that the set	tings belov
LAN	Connection Type:	IPoE
NAT	NAT:	Enabled
Security Parental Control	Full Cone NAT:	Disabled
Bandwidth Control	Firewall:	Enabled
Routing	IGMP Multicast:	Disabled
DNS	Quality Of Service:	Disabled
UPnP Print Server Storage Service	Click "Apply/Save" to I	nave this in
Interface Grouping		

When the IPoE connection is successful, you can access the Internet.

Device Info				Wide	Area Netwo	ork (WAN) Service	Setup				
Advanced Setup Layer2 Interface		c	hoose)	Add, Remove o	r Edit to confi	gure a WA	N service	over a sele	cted inter	face.		
WAN Service	Interface	Description	Туре	Vlan802.1p	VlanMuxId	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
LAN NAT	eth0.1	ipoe_eth0	IPoE	N/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled		Edit
Security			1									
Parental Control					_	10	_					
					Ade	Remov	(e)					



IPv6

Step 1: Click Advanced Setup > WAN Service and then click the Add button.



Step 2: Select the ETH interface you added just now from the pull-down menu in the figure below. Click Next.



Step 3: Select **IP over Ethernet** as WAN service type. Edit the **Enter Service Description.** This field is optional. We recommend that you keep the default. Select a network protocol: **IPv6 Only**. And then click **Next**.

Tenda

Dovice Info	WAN Service Configuration		
Device Info Advanced Setup Layer2 Interface WAN Service LAN	Select WAN service type: PPP over Ethernet (PPPoE) IP over Ethernet Bridging		
NAT Security Parental Control	Enter Service Description: ipoe_eth0		
Bandwidth Control Routing DNS	For tagged service, enter valid 802.1P Priority and 80 For untagged service, set -1 to both 802.1P Priority a	02.1Q VLAN ID. and 802.1Q VLAN ID.	
DSL	Enter 802.1P Priority [0-7]:	-1	
UPnP Print Server Storage Service	Enter 802.1Q VLAN ID [0-4094]:	-1	
Interface Grouping IP Tunnel	Network Protocal Selection: IPv6 Only		
Certificate			
Multicast			Bac
IPTV			

Step 4: Enter the WAN information provided by your ISP to configure the WAN IPv6 settings.

To obtain an IP address automatically:

Select Obtain an IPv6 address automatically and Check Dhcp6c Prefix Delegation (IAPD).

If your ISP is using stateful DHCPv6, check Dhcp6c Address Assignment (IANA) also. Click Next to go forwards.



Device Info	WAN IP Settings			
dvanced Setup				
Layer2 Interface	Enter information provided to you by your ISP	to configure the WAN IP settings.		
WAN Service	Notice: If "Obtain an IP address automatically"	' is chosen, DHCP will be enabled for PVC	in IPoE mode.	
LAN	If "Use the following Static IP address" is chose	en, enter the WAN IP address, subnet ma	sk and interface gateway.	
NAT				
Security	Obtain an IP address automatically			
Parental Control	Option 60 Vendor ID:			
Bandwidth Control	Option 61 IAID:	(8 fiexadecimal digits)		
Routing	Option 61 DUID:	(hexadecimal digit)		
DNS	Option 125: Disable	C Enable		
DSL	Use the following Static IP address:			
UPnP	WAN IP Address			
Print Server	WAN Subget Merk			
Storage Service	WAN setents TD Address			
Interface Grouping	WAN gateway IP Address.			
IP Tunnel				
Certificate	Enter information provided to you by your ISP.	to configure the WAN IPv6 settings		
Multicast	Notice	a condector over to storige		
IPTV	If "Obtain an IPv6 address automatically" is ch	insen DHCPv6 Client will be enabled on th	his WAN interface	
lireless	If "Use the following Static IPv6 address" is ch	osen, enter the static WAN IPv6 address	If the address prefix length is not specified. It will be default to /64	
lagnostics				
lanagement			-	
	Obtain an IPv6 address automatically			
	Dhopv6 Address Assignment (IANA)			
	Dhopy6 Prefix Delegation (IAPD)			
	Use the following Static IPv6 address:		For IPv6	
	WAN IPv6 Address/Prefix Length:	1		
	Specify the Next-Hop IPv6 address for this WA	N interface.		
	Specify the Next-Hop IPv6 address for this WA Notice: This address can be either a link local o	W interface. or a globel unicest IPv6 eddress.		
	Specify the Next-Hop IPv6 address for this WA Notice: This address can be either a link local o WAN Next-Hon IPv6 Address	W interface. or a global unicast IPv6 address.		

Step 5: Here you can configure the NAT. If you are not an advanced user we recommend you to keep the default settings and then click **Next**.

Tend	a Home Page 🥼
Device Info	Network Address Translation Settings
Advanced Setup	Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).
Layer2 Interface	
ATM Interface	Enable NAT
ETH Interface	Enable Firewall
WAN Service	
LAN	IGMP Multicast
NAT	Enable IGMP Multicast
Security	
Parental Control	Enable MLD Multicast Proxy
Bandwidth Control	Back Next

Step 6: To configure the Default Gateway interface when using IPv6, select the interface that you want to configure with the WAN gateway address in **Selected WAN Interface** box. Then click **Next**.



Tenda		Hanne Kage 🧭
Device Info Advanced Setup	Routing Default Gateway	
Layer2 Interface ATM Interface	Default gateway interface list can have multiple WAN interf one the lowest priority if the WAN interface is connected. F	ices served as system default gateways but only one will be used according to the priority with the first being the higest and the last fority order can be changed by removing all and adding them back in again.
ETH Interface WAN Service	Selected Default Available Ro Gateway Interfaces Interfaces	ted WAN
NAT Security	sih0.1	
Parental Control Bandwidth Control		
Routing DNS		
DSL. UPnP	IPv6: Select a preferred wan interface as the system defau	t IPv6 gateway:
Storage Service	Selected WAN Interface poe_eth0/eth0.1 🗙	LOUTEVO.
IP Tunnel		Back Next

Step 7: To configure the WAN DNS address, check the Obtain IPv6 DNS info from a WAN interface option, or select the Use the following Static IPv6 DNS address option to enter the static DNS server IPv6 addresses provided by your ISP. At last, click Next.

Tenda	7)je	
Device Info	DNS Server Configuration			and the second se	
Advanced Setup	Select DNS Server Interface from	available WAN interfaces OR ent	r static DNS server IP addresses for the system. In ATM mode, if only a single PV	VC with IPoA or static IPoE protocol is configured. Static DNS server IP addresses must be entered.	
Layer2 Interface	DNS Server Interfaces can ha	ave multiple WAN interfaces service	as system dhe servers but only one will be used according to the prompy with the	first being the higest and the last one the lowest priority if the WAN interface is connected. Priority order can l	be changed bly
ATM Interface	removing all and adding them bac	:k in again,			
ETH Interface					
WAN Service	Select DNS Server Inte	rface from available WAN int	erfaces:		
LAN	Selected DNS Server	Available WAN			
NAT	Interfaces	Interfaces			
Security		att 0.1			
Parental Control		ebio, r			
Bandwidth Control					
Routing					
DNS	4				
nsi					
liDoD					
Print Service	a most talk some provide	puc m. D.			
Sharran Cambian	Use the following static	UNS IP address			
Storage Service	Consider (DNC server)				
Interrace Grouping	Secondery Diric server:				
IP Tunnel					
Certificate	IPv6: Select the configured WAN	interface for IPv6.DNS server info	mation OR enter the static IPv6 DNS server Addresses.		
Multicast	Note that selecting a WAN interfa	ce for JPv6 DN5 serves will enable	DHCPv6 Client on that interface.		
IPTV	A LEWIS LEVE				
Wireless	Obtain IPv6 DNS info from	a WAN interface:			
Diagnostics	WAN Interface selected: ipc	xe_eth0/eth0.1 ✓	Prov Thursd		
Management	O Use the following Static IPv	/6 DNS address:	FOLIENO		
	Primary IPv6 DNS servert				
	Secondary IPv6 DNS server				

Step 8: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

evice Info	WAN Setup - Sumn	nary
vanced Setup ayer2 Interface	Make sure that the se	ttings below
ATM Interface	Connection Type:	IPoE
ETH Interface	NAT:	Disabled
WAN Service	Full Cone MAT:	Disabled
AN	Firewall:	Enabled
IAT	IGMP Multicast:	Disabled
ecurity arental Control	Quality Of Service:	Disabled
Bandwidth Control Routing	Click "Apply/Save" to	have this int

When the IPoE connection is successful, you can access the Internet.

Tenda Device Info		c	hoose /	Wide Add, Remove d	e Area Netw or Edit to conf	ork (WAN	I) Service AN-service	e Setup e over a se	elected int	terface.		
Advanced Setup	Interface	Description	Туре	Vlan802.1p	VlanMuxid	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
ATM Interface	eth0,1	ipoe_eth0	IPoE	M/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled	ļ.	Edit
ETH Interface					Add	Remo	ive					
WAN Service												

Bridging

Tenda

If you wish to initiate a dialup directly from your PC for Internet access or enjoy the entire Internet connection (instead of sharing it with others), you can select the Bridging and create a dialup program on your PC.

Step 1: Click **Advanced Setup > WAN Service** and then click the **Add** button.

Tenda	
	Wide Area Network (WAN) Service Setup
Device Info	Choose Add, Remove or Edit to configure a WAN service over a selected interface.
Advanced Setup	Interface Description Type Vian802.1p VianMuxId Igmp NAT Firewall IPv6 Mid Remove Edit
Layer2 Interface	
ATM Interface	Add Remove
ETH Interface	
WAN Service	
LAN	

Step 2: Select the ETH interface you added just now from the pull-down menu in the figure below. Click Next.



	WAN Service Interface Configuration
Device Info Advanced Setup Layer2 Interface ATM Interface ETH Interface WAN Service	Select a layer 2 interface for this service Note: For ATM interface, the descriptor string is (portId_vpi_vci) For PTM interface, the descriptor string is (portId_high_low) Where portId=0 -> DSL Latency PATH0 portId=4 -> DSL Latency PATH1 portId=4 -> DSL Latency PATH08.1 low =0 -> Low PTM Priority not set high =0 -> High PTM Priority not set high =1 -> High PTM Priority set
NAT	Back Next

Step 3: Select Bridging. Edit the Enter Service Description. This field is optional. We recommend that you keep the

default. And click Next.

Tenda	
Device Info Advanced Setup Layer2 Interface	WAN Service Configuration Select WAN service type: O PPP over Ethernet (PPPoE) O IP over Ethernet Bridging
ATM Interface ETH Interface	Enter Service Description: br_eth0
WAN Service	For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID. For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.
NAT Security	Enter 802.1P Priority [0-7]: -1 Enter 802.1Q VLAN ID [0-4094] -1
Parental Control Bandwidth Control	
Routing DNS	Back

Step 4: Here you can view your configurations. Click Apply/Save to save your settings if everything is correctly set.

Tenda			Wirele	ess N300 ADSL2+ H	ligh Powe	r Modem Router
Tenda	7					
Device Info	WAN Setup - Summ	ary				
Advanced Setup Layer2 Interface	Make sure that the set	ttings below match	the settings provide	d by your ISP.		
ATM Interface	Connection Type:	Bridge				
ETH Interface	NAT:	Disabled				
WAN Service	Fuil Cone NAT:	Disabled				
LAN	Firewall:	Disabled				
NAT	IGMP Multicast:	Disabled				
Security	Quality Of Service:	Disabled				
Parental Control Bandwidth Control	Click "Apply/Save" to I	have this interface	to be effective. Click	"Back" to make any i	modification	าร.
Routing					Back	Apply/Save

After the bridging connection is successful, initiate a dialup directly from your PC for Internet access.

wide Area Network (WAN) Service Setup choose Add, Remove or Edit to configure a WAN service over a selected interface.												
Advanced Setup	Interface	Description	Туре	Vlan8D2.1p	VlanMusdd	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
ATM Interface	eth0.1	br_eth0	Bridge	N/A	N/A	Disabled	Enabled	Enabled	Disabled	Disabled		Edit
ETH Interface WAN Service					Add	Remo	we					

▲_{Note}

The device functions as a switch in Bridge mode -Ethernet uplink.

4.2.3 LAN

Here you can configure the LAN IP address and subnet mask. This IP address is to be used to access the device's settings through a web browser. Be sure to make a note of any changes you apply to this page.

IPv4

Click Advanced > LAN to enter the IPv4 address setting interface.



Tenda	2			
Device Info Advanced Setup	Local Area Network Configure the Broadb GroupName Default	x (LAN) Setup and Router IP Address and Subne	et Mask for LAN interface,	
Layer2 Interface	IP Address:	192.168.1.1		
WAN Service	Subnet Mask:	255.255.255.0		
LAN	Enable IGMP 5n	ooping.		
IPv6 Autoconfig NAT	 Standard Mode Blocking Mode 			
Security Parental Control	 Disable DHCP S Enable DHCP S 	erver		
Bandwidth Control	Start IP Address	192.168.1.2		
Routing	End IP Address;	192.168.1.254		
DNS	Leased Time (ho	ur); 24		
DSL	DNS Servers Assign	ed by DHCP Server:		
UPnP	Primary DNS server:	192.168.1.1		
Print Server	Secondary DNS serv	er:		
Storage Service	Static IP Lease L	ist (A maximum 32 entries can b	e configured)	
Interface Grouping	MAC Addres	s IP Address Remove		
IP Tunnel	Add Entries	Remove Entries	· · ·	
Certificate Multicast	Configure the sec	cond IP Address and Subnet Mask	for LAN interface	Apply/Save

- IP Address/Subnet Mask: The device's LAN IP address and subnet mask that both you can change to fit your network. The default IP address is 192.168.1.1. If you change the LAN IP address, you should use the new address to access the management interface next time.
- Enable IGMP Snooping: Check to enable the IGMP Snooping feature. IGMP Snooping is to restrain broadcast on Layer 2. Enabling IGMP snooping is good for managing and controlling IPv4 broadcasts. Suggest selecting Blocking Mode.
 - Standard Mode: If no members join in one broadcast group, packets of this group will be broadcasted; if there're members joining in the group, packets will be only forwarded to the LAN port where the group members exist.
 - Blocking Mode: If no members join in one broadcast group, packets of this group will be dropped; if there's members joining in the broadcast group, packets will be only forwarded to the LAN port where the group members exist.

3) **Enable DHCP Server:** Check to enable the DHCP Server so that every upstream device connected to your router can obtain the IP address to access the Internet. If you would like to configure every upstream device with static IP

address to access the Internet, you can check Disable DHCP Server.

4) Start/End IP Address: Specify the start/end of the range for the IP address pool in the same subnet as the router.

Only enabling DHCP server need you to finish this part configurations.

5) Leased Time: A time length that the IP address is assigned to each device before it is refreshed.

6) Static IP Lease List: A list of devices with reserved static IP addresses. If you prefer to configure each upstream

device of your router with a static IP address for better management, you can add static IP addresses to the list.

- Add Entries: Click this button to add a static IP lease entry. A maximum 32 entries can be configured.
- **Remove Entries:** Click this button to remove a static IP lease entry.

7) Configure the second IP Address and Subnet Mask for LAN interface: If you want to configure two IP addresses for the LAN interface, you can check this option and enter the second IP Address and Subnet Mask manually. The second IP address and subnet mask have the same function as the first ones.

8) Apply/Save: After you configure all the needed settings, click this button to apply and save them.

襸 Tip:

DHCP (Dynamic Host Configuration Protocol) assigns an IP address to each device on the LAN/private network. When you enable the DHCP Server, the DHCP Server will automatically allocate an unused IP address from the IP address pool specified in this screen to the requesting device as long as the device is set to "Obtain an IP Address Automatically". By default, DHCP server is enabled.

IPv6 Autoconfig

IPv6 address can only be Aggregatable Global Unicast Addresses and Unique Local Address. Link-Local Unicast Addresses and Multicast Addresses are not permitted.

Click Advanced > LAN > IPv6 Autoconfig to enter the IPv6 address setting page.



Tend	a	Home Fage 🕼
Device Info Advanced Setup Layer2 Interface WAN Service LAN IPV4 Autoconfig NAT Security Parental Control Bandwidth Control Routing DNS DSL UPAP Print Server Storage Service Interface Grouping IP Tunnel Cartificate Multicast IPTV	Control Configuration Note: Stabil DHCPv6 is supported based on the assumption of prefix length less than 64. Interface ID does NOT support ZERO COMPRESSION "!.", Please ent Static LAN IPv6 Address Configuration Interface Address: (prefix length is required.such as "/64" added after the address) IPv6 LAN Applications @ Stabless @ Stabless @ Stables @ Stables<	ter the complete information. For example: Please enter "0:01:02" instead of ";12".
Diagnostics Management	Enable MLD Snooping Standard Mode Blocking Mode Save(Apply)	

• Interface Address: Enter the interface address with prefix length. E.g., the interface IPv6 address is "2000::1/64", then you need to input http://f2000::11 in the browse address bar to access the device management interface.

2 Enable DHCPv6 Server: Check to enable the DHCPv6 Server.

Select Stateless or Stateful as you need.

- Stateless: If selected, IPv6 clients will generate IPv6 addresses automatically based on the Prefix Delegation's IPv6 prefix and their own MAC addresses.
- Stateful: Stateful DHCPv6 is supported based on the assumption of prefix length less than 64. Select this option and configure the start/end interface ID and leased time. The router will automatically assign IPv6 addresses to IPv6 clients.

• Enable RADVD: Check it to enable the RADVD for informing computers in the LAN of your router's existence. When computers get the message, they will take the router's IP address as the secondary route for easy use. In addition, checking RADVD can also broadcast the prefix address generated from the computer in the LAN.

• Enable IGMP Snooping: Check to enable the IGMP Snooping feature. IGMP Snooping is to restrain broadcast on Layer 2. Enabling IGMP snooping is good for managing and controlling IPv6 broadcasts. Suggest to select Blocking Mode.

- Standard Mode: If no members join in one broadcast group, packets of this group will be broadcasted; if there're members joining in the group, packets will be only forwarded to the LAN port where the group members exist.
- Blocking Mode: If no members join in one broadcast group, packets of this group will be dropped; if there's members joining in the broadcast group, packets will be only forwarded to the LAN port where the group members exist.



6 Click Save/Apply.

Other fields' introduction that may help:

- > Enable ULA Prefix Advertisement: If enabled, the router will advertise ULA prefix periodically.
- **Leased Time (hour):** A time length that the IP address is assigned to each device before it is refreshed.
- Start interface ID/End interface ID: Specify the start/end interface ID Interface ID does NOT support ZERO COMPRESSION "::". Please enter the complete information. For example: Please enter "0:0:0:2" instead of "::2".
- **Randomly Generate:** If selected, address prefix can be automatically generated.
- Statically Configure: If you select this option, you need to manually configure the address prefix and life time.
- > **Prefix:** Specify the prefix.
- > **Preferred Life Time (hour):** Specify the preferred life time in hour.
- > Valid Life Time (hour): Specify the valid life time in hour.
- Enable MLD Snooping: MLD is used by IPv6 routers for discovering multicast listeners on a directly attached link. If disabled on layer2 devices, IPv6 multicast data packets will be broadcast on the entire layer2; if enabled, these packets will be multicast to only specified recipient instead of being broadcast on the entire layer2.

4.2.4 NAT

This section explains the following:

- <u>Virtual Server</u>
- Port Triggering
- DMZ Host

Virtual Server

The Virtual Server is useful for web servers, ftp servers, e-mail servers, gaming and other specialized Internet applications.

Scenario: If you have a server in the LAN, such as a website, FTP server or game server, you want e-friends to visit the server, but the firewall and NAT function of your router stop visitors from accessing computers in the LAN.

Solution: Set virtual server rules to allow visitors to access the server via WAN IP address of your router.

Click Advanced Setup > NAT > Virtual Servers to enter the virtual server setup page. Click Add to add rules.



Tend	a)
Device Info Advanced Setup Layer2 Interface WAN Service LAN NAT Virtual Servers Port Triggering DM7 Host	NAT - Virtual Servers Setup Virtual Server allows you to direct incoming traffic from WAN side (identified by Protocol and External port) to the Internal server with private IP address on the LAN side. The Internal port is required only if the external port needs to be converted to a different port number used by the server on the LAN side. A maximum 32 entries can be configured. Add Remove Server Name External Port Start External Port End Protocol Internal Port Start Internal Port End Server IP Address WAN Interface Remove)
Tenda	L NAT Virbual Servers	Ð

Advanced Setup	Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. NOTE: The "Internal Port End" cannot be modified directly. Normally, it is set to the same value
Layer2 Interface	as "External Port End". However, if you modify "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start".
WAN Service	Remaining number of entries that can be configured: 32
LAN	
NAT	
Virtual Servers	Sancia Nama-
Port Triggering	Control - Statistics Control -
DMZ Host	
Security	Custom service:
Parental Control	Server IP Address: 192.188.1.
Bandwidth Control	
Routing	Apply/Save.
DNS	
DSL	External Port StartExternal Port End Protocol Internal Port StartInternal Port End
UPnP	TCP
Print Server	TCP 💌
Storage Service	TCP
Storage Service Interface Grouping	
Storage Service Interface Grouping IP Tunnel	
Storage Service Interface Grouping IP Tunnel Certificate	
Storage Service Interface Grouping IP Tunnel Certificate Multicast	
Storage Service Interface Grouping IP Tunnel Certificate Multicast IPTV	
Storage Service Interface Grouping IP Tunnel Certificate Multicast IPTV Wireless	TCP TCP TCP TCP TCP TCP TCP TCP TCP TCP
Storage Service Interface Grouping IP Tunnel Certificate Multicast IPTV Wireless Diagnostics	TCP M TCP W TCP W
Storage Service Interface Grouping IP Tunnel Certificate Multicast IPTV Wireless Diagnostics Management	TCP TCP
Storage Service Interface Grouping IP Tunnel Certificate Multicast IPTV Wireless Diagnostics Management	TCP TCP

1 User Interface: Select the WAN interface you will use to visit the server in your LAN.

Configure the Service Name > Select a Service to select an existing service (Select One here is only an express to tell you select one service.) from the drop-down list. And then the corresponding external/internal start/end port will prompt automatically. Or configure Service Name > Custom Service to customize a service manually.

- **6** Server IP Address: Enter the IP address of your local computer that will provide this service.
- **Olick Apply/Save** to save configurations.

Other fields' introduction that may help:

External Port Start/External Port End: Server ports provided for Internet users to accessing the LAN.

Protocol: Select the protocol from the Protocol drop-down list. If you are unsure, select TCP/UDP.

Internal Port Start/Internal Port End: The ports used by the server in the LAN.

After all the configurations, visitors on the Internet can access your server by simply using "Protocol Name://WAN IP address: External Port".

Δ_{Note}

If UPnP feature on the router and some applications of the connected PC is enabled, you will be prompted on the Virtual



Server page that the UPnP interface is being used.

Application Scenario:

You have set up one web server on the LAN. Web server—IP: 192.168.1.50, TCP port: 8090.

Now you hope friends on the Internet can access your web by Port 10480 through WAN port. WAN

port----ipoe_eth0.1, IP: 1.2.3.4

Configuration Steps:

Click Advanced Setup > NAT > Virtual Server to enter it and then click the Add button.

Tend	
	Home rage Gastre
Device Info	NAT Virtual Servers Setup
Advanced Setun	
Laver2 Interface	Virtual Server allows you to direct incoming traffic from WAN side (identified by Protocol and External port) to the Internal server with private IP address on the LAN side. The Internal port is required only
WAN Service	if the external port needs to be converted to a different port number used by the server on the LAN side. A maximum 32 entries can be configured.
LAN	
NAT	Add Remove
Virtual Servers	
Port Triggering	Server Name External Port Start External Port End Protocol Internal Port Start Internal Port End Server IP Address WAN Interface Remove
DMZ Host	
	Ŷ
Tena	a Home Page 🥵
Device Info	NAT Virtual Servers
Advanced Setup	
Laver2 Interface	Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. NOTE: The "Internal Port End" cannot be
WAN Service	modified directly. Normally, it is set to the same value as "External Port End". However, if you modify "Internal Port Start", then "Internal Port End" will be set to the same
LAN	value as "Internal Port Start".
NAT	Remaining number of entries that can be configured: 32
Virtual Servers	· community instruct of entries and control or entry of entry of
Dort Triggoring	
DM7 Host	
Security	Service name.
Barental Control	Select a Service: Select One
Parental Control	E O Custom Service: web
Bandwiddi Collu ol	Server IP Address: 192.168.1.50
DNC	
DNS	Apply/Save
UDaD	
Drint Convor	External Port Start External Port End Protocol Internal Port Start Internal Port End
Storage Comice	10480 10480 TCP 8090 8090
Interface Crounian	TCP I
interface drouping	

• Select the WAN interface **ipoe_eth0/eth0.1** here.

Input the word web in the Custom Service field. Then manually enter the port number 10480 in the External Port Start and External Port End fields, and enter the port number 8090 in the Internal Port Start and Internal Port End fields. Actually port in the Internal Port End field follows the port number in the Internal Port Start field automatically.

Select a protocol from the **Protocol** drop-down list. If you are unsure, select **TCP/UDP**.

4 In the Server IP Address field, enter the IP address of the web server: 192.168.1.50.

5 Click **Apply/Save** to save the configuration.



Result:

Your friend on the Internet will be able to access your web server simply by entering "http://1.2.3.4:10480" in browser. Actually if you set the DNS in <u>4.2.9 DNS</u>, your friend can also enter <u>http://domain name:10480</u> to access your web server.



Port Triggering

Ports of some applications such as games, video conferencing and instant messenger, etc., are specified and meanwhile, your router's firewall will stop messages to/from such ports, so for those applications, you cannot use them properly. However, **Port Triggering** is provided to help your play such games, or use this kind of instant messenger normally. Some safety system applications (like, safe guard and firewall) in the computer on the LAN may interfere with the Port triggering function. When using Port triggering, you can disable such applications.

Click Advanced Setup > NAT > Port Triggering and then click the Add button to add rules.

Tend	The Page Control of the Pa
Device Info	NAT Port Triggering Setup
Advanced Setup	Some applications require that specific ports in the Router's firewall be onened for access by the remote parties. Port Trigger dynamically opens up the 'Open Ports' in the firewall when an
Layer2 Interface	anife approach require a provide a transmission of a remember narrow part of the transmission of the LAM initiates at TCP/IDP connection to a remember narrow part of the transmission of the LAM initiates at TCP/IDP connection to a remember narrow part of the transmission of the transmission of the LAM initiates at the transmission of the LAM initiates at the transmission of the transmission of the LAM initiates at the transmission of the
WAN Service	application on the LM vide using the Topon Ports' A maximum grant parties can be repfinited
LAN	application on the part and daining the open forest in maximum size drifted can be compared.
NAT	Ard Pernya
Virtual Servers	
Port Triggering	Trigger Open
DMZ Host	Anglication Name Det Pance Dat Pance WAN Interface Person
Security	Protocol Pro
Parental Control	Start End Start End

Û



Tena	a		Home Page
	•	– NAT Port Triggering	
Device Info			
Advanced Setup		Some applications such as games, video conferencing, remote access applications and others require that specific ports in the Router's firewall be opened for acc	ess by the applications. You can configure
Layer2 Interface		the port settings from this screen by selecting an existing application or creating your own (Custom application)and click "Save/Apply" to add it.	
WAN Service		Remaining number of entries that can be configured: 32	
LAN			
NAT		Use Interface	
Virtual Servers			
Port Triggering			
DMZ Host		seeccar approach is seen one	
Security		Custom application:	
Parental Control			
Bandwidth Control	=	Save/Apply	
Routing			
DNS		Trigger Port StartTrigger Port EndTrigger ProtocolOpen Port StartOpen Port EndOpen Protocol	
DSL		TCP x TCP x	
UPnP		TCP 💌	
Print Server		TCP V TCP V	
Storage Service		TCP 💌 TCP 💌	
Interface Grouping		TCP V TCP V	
IP Tunnel			
Certificate			
Multicast			
IPTV			
Wireless		Save/Annly	
Diagnostics	-	Сахелориу	

Here in the **Port Triggering** interface, you can configure the port settings by selecting an existing application or creating your own (Custom application).

1 User Interface: Select the WAN interface you will use to visit the server in your LAN.

Configure the Application Name > Select an application to select an existing application (Select One here is only an express to tell you select one application.) from the drop-down list. And then the corresponding trigger start/end port will prompt automatically. Or configure Application Name > Custom application to customize an application manually.

6 Trigger Protocol: Select the protocol from the drop-down list. If you are unsure, select TCP/UDP.

• Click Save/Apply to save configurations.

Other fields' introduction that may help:

Trigger Port Start/End: The port range for an application to initiate connections.

Open Port Start/End: After the application connection is established, the built-in firewall of the router will open ports between the start port number and end port number automatically.

Application Scenario:

You always use ICQ to communicate with computers on the Internet. You hope your LAN is secure and your instant communication with other computers can be smoother. The WAN port now is ipoe eth0.1.

Solution:



Tend	а												Home Page
A	, N	IAT Poi	rt Trigge	ring									
Device Info													
Advanced Setup	s	iome applie	cations su	ich as game	es, video	o confere	encing, re	mote access	applio	ations and oth	ners require	e that sp	pecific ports in the Router's firewall be opened for access by the applications. You can configure
Layer2 Interface	ť	he port set	ttings fror	n this scree	n by sel	lecting a	n existing	application o	or cre	ating your owr	(Custom	applicati	ion)and click "Save/Apply" to add it.
WAN Service	F	Remaining	g numbe	r of entrie	s that (can be o	configur	ed: 32					
LAN													
NAT	Ι.	lse Interfa	ice	5	inne ett	h0/eth0 1							
Virtual Servers		Application	Name:		1000_01	noretno.							
Port Triggering		 Sel 	ect an an	olication:	00			T					
DMZ Host													
Security		Cus	stom appl	ication:									
Parental Control											_		_
Bandwidth Control											Sav	e/Apply	1
Routing													_
DNS	1	rigger Po	ort Start	Trigger Po	rt End	Trigger	Protoco	Open Port	Start	Open Port E	nd <mark>Open P</mark>	rotocol	
DSL	ľ	4000		4000		UDP	•	20000		20059	TCP	•	
UPnP	ľ					TCP	•				TCP	-	
Print Server					1	TCP	•		1		TCP	•	
Storage Service						TCP	•		1		TCP	•	
Interface Grouping					1	TCP	•		1		TCP	•	
IP Tunnel					_	TCP	•		1		TCP	•	
Certificate	-		_			TCP			1		TCP		
Multicast			_			TOP			-		TOP		-
IPTV	L					TCP	•				TCP		
Wireless											-		7
Diagnostics											Sav	e/Apply	

DMZ Host

Tenda

The default DMZ (De-Militarized Zone) host feature is helpful when you are using some online games and videoconferencing applications that are not compatible with NAT (Network Address Translation). Note that enabling DMZ host means the built-in firewall of your router takes no effect, and your computer that's set as the DMZ host will totally expose itself to the Internet. In this case, hacker may easily attack the DMZ host. Strongly recommend you to disable DMZ host and clear all the DMZ host settings as soon as possible when you do not use it.

Click Advanced Setup > NAT > DMZ Host, input the IP address of the computer that you want to configure as the DMZ host into the DMZ Host IP Address field. At last, click Save/Apply.

Tena	a	Home Page
Device Info	NAT DMZ Host	
Advanced Setup		
Layer2 Interface	The Broadband Router will forward IP packets from the WAN that do not belong to any of the applications configured in the Virtual Servers table to the DMZ host computer.	
WAN Service		
LAN	Enter the computers 14 address and Click Save/Apply to activate the UMZ host.	
NAI Virtual Servers	Clear the IP address field and click 'Save/Apply' to deactivate the DMZ host.	
Port Triggering		
DMZ Host	DMZ Host IP Address:	
Security		
Parental Control	Save/Apply	
Bandwidth Control		



4.2.5 Security

This section explains the following information:

- IP Filtering
- MAC Filtering

IP Filtering

Outgoing IP Filtering Setup

By default, all outgoing IP traffic from LAN is allowed, but some IP traffic can be BLOCKED by setting up filters.

Choose Add or Remove to configure outgoing IP filters.

Advanced Setup Layer2 Interface	By default, all outgoing	IP traffic from LAN is allowed,	but some IP t	traffic can b	be BLOCKED by setting	up filters.			
WAN Service LAN	Choose Add or Remove	to configure outgoing IP filters	5.						
NAT		Filter Name	IP Version	Protocol	SrcIP/ PrefixLength	SrcPort	DstIP/ PrefixLength	DstPort	Remove
IP Filtering					Add Rem	010			

Choose Add to enter the following screen:

Tend	а				Home Page 🧔
Device Info Advanced Setup Layer2 Interface WAN Service	Add IP Filter Outgoing The screen allows you to create a filter satisfied for the rule to take effect. Clic	r rule to identify outgoing IP ck 'Apply/Save' to save and a	traffic by specifying a new filter ctivate the filter.	name and at least one condition below. All	of the specified conditions in this filter rule must be
NAT Security IP Filtering	Filter Name: IP Version: Protocol:	IPv4	1		
Outgoing Incoming MAC Filtering Parental Control Bandwidth Control Routing	Source IP address[/prefix length]: Source Port (port or port:port): Destination IP address[/prefix length]: Destination Port (port or port:port):				
DNS DSL			Apply	/Save	

This screen allows you to create a filter rule to identify outgoing IP traffic by specifying a new filter name and at least one condition below. All of the specified conditions in this filter rule must be satisfied for the rule to take effect. Click 'Apply/Save' to save and activate the filter.

Filter Name: Enter a descriptive filtering name.

IP Version: Select the IP version that the filter rule supports. Here is IPv4.



Protocol: TCP/UDP, TCP, UDP and ICMP are available for your option.

Source IP address [/prefix length]: Enter the [LAN IP address/prefix length] to be filtered.

Source Port (port or port: port): Specify a port number or a range of ports used by LAN PCs to access the Internet. If

you are unsure, leave it blank.

Destination IP address [/prefix length]: Specify the external network IP address to be accessed by specified LAN PCs.

Destination Port (port or port:port): Specify a port number or a range of ports used by LAN PCs to access external network.

Incoming IP Filtering Setup

When the firewall is enabled on a WAN or LAN interface, all incoming IP traffic is BLOCKED. However, some IP

traffic can be ACCEPTED by setting up filters.

Choose Add or Remove to configure incoming IP filters.

Tend	a							
	<u>^</u>	Incoming IP Filtering Setup						
Device Info								
Advanced Setup		When the firewall is enabled on a WAN or LAN interface, all incoming IP traffic is BLOCKED. However, some IP traffic can be ACCEPTED by setting up filters.						
Layer2 Interface		when the mewain's chapted on a way of Driv interface, an incoming it traine is blocked. However, some it traine can be Acter it by setting up inters.						
WAN Service		Choose Add or Remove to configure incoming IP filters.						
LAN								
NAT		Filter Name Interfaces IP Version Protocol SrcIP/ PrefixLength SrcPort DstIP/ PrefixLength DstPort Remove						
Security								
IP Filtering		Add Remove						
Outgoing								
Incoming								
MAC Filtering	E							

Click Add to enter the following screen:

Tena	a)		Home Page
Device Info	Â	Add IP Filter Incoming		
Advanced Setup		-		
Laver2 Interface		The screen allows you to create a filter	rule to identify incoming IP	IP traffic by specifying a new filter name and at least one condition below. All of the specified conditions in this filter rule must be
WAN Service		satisfied for the rule to take effect. Clic	k 'Apply/Save' to save and a	d activate the filter.
LAN				
NAT		Filter Name:		
Security		ID Version	IBv4	
ID Filtering		II Version.		
Outgoing		Protocol:	•	
Uncoming		Source IP address[/prefix length]:		
MAG Siltering	=	Source Port (port or port:port):		
MAC Filtering	-	Destination IP address[/prefix length]:		
Parental Control		Destination Port (port or port:port):		
Bandwidth Control				
Routing		WAN Interfaces (Configured in Ro	uting mode and with fire	rewall enabled) and LAN Interfaces
DNS		Select one or more WAN/LAN interface	s displayed below to apply t	/ this rule.
DSL				
UPnP		Select All V ince eth3/eth0 1	br0/br0	
Print Server				
Storage Service				
Interface Grouping				Apple/Coup
IP Tunnel				Whiteane
Certificate				

This screen allows you to create a filter rule to identify incoming IP traffic by specifying a new filter name and at least one condition below. All of the specified conditions in this filter rule must be satisfied for the rule to take effect. Click **Apply/Save** to save and activate the filter.



IP Version: Select the IP version that the filter rule supports. Here is IPv4.

Protocol: TCP/UDP, TCP, UDP and ICMP are available for your option.

Source IP address [/prefix length]: Enter the Internal IP address [/prefix length] to be filtered.

Source Port (port or port:port): Specify a port number or a range of ports used by PCs from external network to access your internal network.

Destination IP address [/prefix length]: Specify the internal network IP address [/prefix length] to be accessed by the specified PCs from external network.

Destination Port (port or port:port): Specify a port number or a range of ports used by PCs from external network to access your internal network.

MAC Filtering

Note: This feature can only be configured in a bridge WAN service.

MAC Filtering is only effective on ATM PVCs configured in Bridge mode. **FORWARDED** means that all MAC layer frames will be FORWARDED except those matching with any of the specified rules in the following table. **BLOCKED** means that all MAC layer frames will be BLOCKED except those matching with any of the specified rules in the following table.

Choose Add or Remove to configure MAC filtering rules.

Tend	a Home Page
Device Info	MAC Filtering Setup
Advanced Setup	MAC Filtering is only effective on ATM PVCs configured in Bridge mode. FORWARDED means that all MAC laver frames will be FORWARDED except those matching with any of the specified rules
Layer2 Interface	in the following table. BLOCKED means that all MAC layer frames will be BLOCKED except those matching with any of the specified rules in the following table.
WAN Service	
LAN	MAC Filtering Policy For Each Interface:
NAT	WARNING: Changing from one policy to another of an interface will cause all defined rules for that interface to be REMOVED AUTOMATICALLY! You will need to create new
Security	rules for the new policy.
IP Filtering	
MAC Filtering	Interface Policy Change
Parental Control	eth0.1 FORWARD
Bandwidth Control	
Routing	
DNS	Change Policy
DSL	
UPnP	Choose Add or Remove to configure MAC filtering rules.
Print Server	
Storage Service	Interface Protocol Destination MAC Source MAC Frame Direction Remove
Interface Grouping	
	Add Remove
Certificate	
MUITICAST	



Changing from one policy to another of an interface will cause all defined rules for that interface to be REMOVED

AUTOMATICALLY! You will need to create new rules for the new policy.



Click **Add** to enter the following screen:

Tend	a		Home Page 🥼
Device Info Advanced Setup Layer2 Interface WAN Service LAN NAT Security IP Filtering	Add MAC Filter Create a filter to identify the M maximum 32 entries can be con Protocol Type: Destination MAC Address: Source MAC Address: Frame Direction:	VC layer frames by specifying at least one vfigured.	; condition below. If multiple conditions are specified, all of them take effect. Click "Apply" to save and activate the filter.4
MAC Filtering Parental Control Bandwidth Control Routing DNS DSL UPnP Print Server	WAN Interfaces (Configured in br_eth0/eth0.1 v	Bridge mode only)	Save/Apply

Here you can create a filter to identify the MAC layer frames by specifying at least one condition below. If multiple

conditions are specified, all of them take effect. Click Save/Apply to save and activate the filter.

Protocol Type: Select a protocol type from the drop-down list.

Destination MAC Address: Enter the destination MAC address to which the MAC filtering rule apply.

Source MAC Address: Enter the source MAC address to which the MAC filtering rule apply.

Frame Direction: Select a frame direction from the drop-down list.

WAN Interfaces: Select a WAN interface from the drop-down list.

4.2.6 Parental Control

This section explains the following information:

- <u>Time Restriction</u>
- <u>URL Filter</u>

Time Restriction

Here you can add time of day restriction that an attached LAN device can access the Internet.

Click **Parental Control > Time Restriction > Add** to enter the following screen.

Wireless N300 ADSL2+ High Power Modem Router

Tenda	1					HOME PAGE 🖉
Device Info	Access Time Restriction					
Advanced Setup	This page adds time of day res	triction to a special LAN device conne	cted to the Router. The 'E	Browser's MAC Addres	es' automatically displays the MAC.	address of the LAN device where the browser is running.
Layer2 Interface	To restrict other LAN device, o	lick the "Other MAC Address" button a	ind enter the MAC address	s of the other LAN de	avice. To find out the MAC address	of a Windows based PC, go to command window and
WAN Service	type "ipconfig /all".					
LAN						
NAT	User Name					
Security	Alter and Salar a					
Parental Control	Browser's MAC Address	44:37:e6:36:fb:25				
Time Restriction	Other MAC Address					
Uri Filter	()0000000000000()					
Bandwidth Control	Days of the week	Mon Tue Wed Thu Fri Sat Sun				
Routing	Click to select					
DNS						
DSL	Start Blocking Time (hh:mm)					
UPnP	End Blocking Time (hh:mm)					
Print Server				Apply/Save		
Storage Service						

User Name: Enter a user name.

Browser's MAC Address: Automatically adds the MAC address of the attached LAN device where the browser is running.

Other MAC Address: Specify the MAC address of the computer that you want to apply Internet access restriction.

Days of the week: Select the days of the week during which you wish to restrict Internet access.

Start Blocking Time/End Blocking Time: Specify time of day restriction to an attached LAN device. Within this specified time length of the day, this LAN device will be blocked from the Internet.

Apply/Save: Click it to save your settings.

URL Filter

Here you can add URL access restriction to all PCs in LAN.

Tenda	
Device Info Advanced Setup Layer2 Interface WAN Service LAN NAT Security Parental Control Time Restriction	URL Filter Please select the list type first then configure the list entries. Maximum 100 entries can be configured. URL List Type () Exclude () Indude Address Remove Add Remove

Select the URL List Type (Exclude or Include) first and then click Add to enter the screen below for configuring the list entries. Maximum 100 entries can be configured.



Device Info	Parental Control URL Filter Add	
Advanced Setup	Enter the URL address then click "Apply/Save" to add the entry to the URL filter	
WAN Service		
NAT	URL Address:	
Security		Apply/Save
Parental Control Time Restriction		
Parental Control Time Restriction Url Filter		

URL Address: Enter the URL you want to control the access. It can be a complete url address <u>www.google.com</u>, or a part of the domain, like "google".

▲_{Note}

If you have accessed the URL before you include it in a URL filter rule, you must reboot the router and erase it from your PC to activate this URL filter rule. To erase the domain name from your PC, click **Win+R** to enable **Run** process; enter **cmd** and then type **ipconfig**/**flushdns**.

4.2.7 Bandwidth Control

This page allows you to control bandwidth of the specified IP segment.

Tenda	Barre age 🕖
Device Info Advanced Setup Layer2 Interface WAN Service	QoS – Bandwidth Control This page allows you to control bandwidth of the specified IP segment. ID "0 "Is an example as a reference. You can add details in blanks below the list. If you want to limit a single IP address' bandwidth, say, 192.168.1.2, keep its start IP the same as its end IP, namely, enter 192.168,1.2-2 in the IP Address Range field. Click Add to add multiple entries. Click Apply/Save to activate your configurations. Note: Up to 16 entries can be allowed; The MAX uplink/downlink speed of each rule is a total bandwidth shared by all hosts in the designated IP address range; To activate your configurations, click Apply/Save.
LAN NAT Security Parental Control Bandwidth Control	Bandwidth Control

Bandwidth Control: Check/uncheck to enable/disable the bandwidth control feature.



Tenda	2]	eme Page (E)
Device Info Advanced Setup Layer2 Interface WAN Service LAN	QoS — Bandwidth Control This page allows you to control bandwidth of the specified IP segment. ID "0 "is an example as a reference. You can add details in blanks below the list. If you want to limit a single say, 192.168.1.2, keep its start IP the same as its end IP, namely, enter 192.168.1.2-2 in the IP Address Range field. Click Add to add multiple entries. Click Apply/Save to activa Note: Up to 16 entries can be allowed; The MAX uplink/downlink speed of each rule is a total bandwidth shared by all hosts in the designated IP address range; To activate your co Apply/Save.	e IP address' bandwidth, te your configurations, onfigurations, dick
NAT Security Parental Control Bandwidth Control	Bandwidth Control ID Description Status IP Address Max Uplink Speed(Kbps) Max Uplink Speed(Kbps)	
Routing DNS DSL UPnP	0 Example Enable 192.168.1.2-2 200 400 Edit Devole Description IP Address Range	
Print Server Storage Service Interface Grouping IP Tunnel Certificate Multicast	Max Upstream Speed (Kbps) Max Downstream Speed (Kbps) Status Enable V Add Apply/Save	

Description: Enter the description of the controlled host.

IP Address Range: Enter the IP address of the host you want to control. It can be hosts or a single host. If you want to limit a single IP address's bandwidth, just keep the start IP same with the end IP, like 192.168.1.2-2

Max Upstream Speed (Kbp/s): Set the max upstream speed.

Max Downstream Speed (Kbp/s): Set the max downstream speed.

Status: You can view the current status of the controlled hosts, or you can select Enable/Disable from the drop-down list

to enable or disable the current control rule.

Action: Here displays the actions you can do about the corresponding rule. There are tow actions: Edit and Delete.

- •Edit: Click the Edit button corresponding to the ID to eidt its control rule. And click OK to apply the modification.
- Delete: Click the Delete button corresponding to the ID to delete its control rule.

Add: Aftre finishing the bandwidth control settings, click Add to generate the control rule.

Apply/Save: Click this button to activate your configurations.

▲_{Note}

Up to 16 entries can be allowed.

4.2.8 Routing

This section explains the following:

- Default Gateway
- Static Route



Default Gateway

Default gateway interface list can have multiple secondary WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Tenda	a	Olimakati 🧔
Device Info	Routing - Default Gateway	
Advanced Setup		
Layer2 Interface	Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to	the priority with the first being the highest and the last one the
WAN Service	lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.	
LAN		
NAT	Selected Default Available Routed WAN	
Security	Gateway Interfaces Interfaces	
Parental Control	ath0.1	
Bandwidth Control	eure i	
Routing	3	
Default Gateway	**	
Static Route		
DNS		
DSL		
UPnP		
Print Server	TODO: IPV6 second	
Storage Service	SBECKU WAR DIGIGLE IN CONFIGURED INTERFACE Y	
Interface Grouping		
IP Tunnel	Apply/Save	

Selected Default Gateway Interfaces: Displays the selected default gateway interfaces. Select a WAN interface and

click the **____** button to move it to the **Available Routed WAN Interfaces** box.

Available Routed WAN Interfaces: Displays the available routed WAN interfaces. Select a WAN interface and click the

sutton to add it to the Selected Default Gateway Interfaces box.

Apply/Save: Click it to save and activate your settings.

Static Route

Static routes provide additional routing information to your router. Typically, you do not need to add static routes. However, when there are several routers in the network, you may want to set up static routing. Static routing determines the path of the data in your network. You can use this feature to allow users on different IP domains to access the Internet via this device. It is not recommended to use this setting unless you are familiar with static routing. In most cases, dynamic routing is recommended, because this feature allows the router to detect the physical changes of the network layout automatically. If you want to use static routing, make sure the router's DHCP function is disabled.





Click Add to enter the following screen:

Device Info	Routing - Static Route Add		
Advanced Setup Layer2 Interface WAN Service	Enter the destination network address, subr	net mask, gataway AND/OR ayailable WAN	I interface then click "Apply/Save" to add the entry to the routing table.
LAN NAT Security Parental Control Bandwidth Control Routing Default Gateway Static Route	IP Version: Destination IP address/prefix length: Interface: Gabeway IP Address: (optional: metric number should be greater Metric:	IPv4 V	Appliy/Save

IP Version: Select IPv4 or IPv6.

Destination IP address/prefix length: Enter the destination IP address and prefix length of the final destination.

Interface: Select an interface from the drop-down list.

Gateway IP Address: Enter the gateway IP address, which must be a router on the same LAN segment as the router.

Metric: Enter a number in the Metric field. This stands for the number of routers between your network and the destination.

Apply/Save: Click it to apply and save your settings.



1. Destination IP address cannot be in the same IP segment as WAN or LAN segment of the router.

2. Only configure additional static routes for unusual cases such as multiple routers or multiple IP subnets located on

your network. Wrong static routes may lead to network failure.



4.2.9 DNS

DNS Server (Static DNS)

The DNS server translates domain names to numeric IP addresses. It is used to look up site addresses based on their names.

Select DNS Server Interface from available WAN interfaces or enter static DNS server IP addresses for the system.

Here you can configure the WAN DNS address:

For IPv4:

-Click the Select DNS Server Interface from available WAN interfaces option;

-Or select the Use the following Static DNS IP address option and enter static DNS server IP addresses for the system.

And then click Apply/Save.

erver Configuration
DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static aver IP addresses must be entered.
erver Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the hist being the higest and the last one the lowest if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.
Select DNS Server Interface from available WAN interfaces: ad DNS Server
Available WAN Interfaces
Jse the following Static DNS IP address: y DNS server: 172.16.100.205 dary DNS server: 211.136.192.6

For IPv6:

-Select Obtain IPv6 DNS info from a WAN interface and Select a configured WAN interface for the IPv6 DNS server

information.

-Select Use the following Static IPv6 DNS address and enter the static IPv6 DNS server addresses.

And then click Apply/Save.
Tenda	Wireless N300 ADSL2+ High Power Modem Router
DNS DNS Sonvor	TODO: IPV6 ********* Select the configured WAN interface for IPv6 DNS server information OR enter the static IPv6 DNS server Addresses.
Dynamic DNS	Note that selecting a WAN interface for IPv6 DNS server will enable DHCPv6 Client on that interface.
DSL	Obtain IPv6 DNS info from a WAN interface:
UPnP	WAN Interface selected: NO CONFIGURED INTERFACE V
Print Server	O Use the following Static IPv6 DNS address:
Storage Service	Primary IPv6 DNS server:
Interface Grouping	Secondary IPv6 DNS server:
IP Tunnel	
Certificate	Apply/Save

▲_{Note}

1. DNS Server Interfaces can have multiple WAN interfaces served as system DNS servers but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

2. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered.

3. If you cannot locate the static DNS server IP information, ask your ISP to provide it.

4. The default settings are recommended if you are unsure about the DNS server addresses. If a wrong DNS server address is configured, webpages may not be open.

Dynamic DNS (DDNS)

If your Internet service provider (ISP) gave you a static (fixed) public IP address, you can register a domain name and have that name associated with your IP address by public Domain Name Servers (DNS). However, if your ISP gave you a dynamic (changing) public IP address, you cannot predict what your IP address will be, and the address can change frequently. In this case, you can use a commercial Dynamic DNS service. It lets you register your domain to their IP address and forwards traffic directed at your domain to your frequently changing IP address. If your ISP assigns a private WAN IP address (such as 192.168.x.x or 10.x.x.x), the Dynamic DNS service does not work because private addresses are not routed on the Internet.

Click Advanced Setup > DNS > Dynamic DNS to enter the Dynamic DNS screen.





Click the Add button to configure the DDNS settings.

Device Info	Add Dynamic DNS	
Advanced Setup		
Layer2 Interface	This page allows you to	add a Dynamic DNS address from DynDNS.org or TZO, or NO-IP.
WAN Service	D-DNS provider	DynDNS.org 🗸
LAN		
NAT	Hostname	
Security	Interface	ipoe_eth3/eth0.1 🗸
Parental Control	Des Dire D. Marrie	
Bandwidth Control	Username	
Routing	Desword	
DNS	Password	
DNS Server		
Dynamic DNS		
DSL		Apply/Sava
UPnP		

D-DNS Provider: Select your DDNS service provider from the drop-down menu. It supports three kinds of D-DNS service: DynDNS.org, TZO and NO-IP.

Hostname: Enter the DDNS domain name registered with your DDNS service provider.

Interface: Specify a WAN connection interface.

Username: Enter the DDNS user name registered with your DDNS service provider.

Password: Enter the DDNS password registered with your DDNS service provider.

Example: Dyndns.org

Username: qiangweianbian

Password: 414637



Hostname: xhh3793.dyndns.org

Add Dynamic DNS

- 1) Select **DynDNS.org** from the **D-DNS provider** drop-down list.
- 2) Enter your Dyndns hostname. Here is "xhh3793.dyndns.org" as an example.
- 3) Specify a WAN connection interface.

Device Info	Add Dynamic DNS	
Advanced Setup		
Layer2 Interface	This page allows you to	add a Dynamic DNS address from DynDNS.org or TZO, or NO-IP.
WAN Service	D-DNS provider	DynDNS.org 🗸
LAN		
NAT	Hostname	xhh3793.dyndns.org
Security	Interface	ipoe_eth3/eth0.1 🗸
Parental Control Bandwidth Control	DynDNS Settings	
Routing	Username	
DNS	Password	
DNS Server		
Dynamic DNS		

DynDNS Settings

- 1) Enter your DynDNS username. Here is "qiangweianbian" as an example.
- 2) Enter the password of your DynDNS.org account. Here is "414637" as an example.
- 3) Click Apply/Save to save your configurations.

Tenda

Tend	a						
	Add Dynamic	DNS					
Device Into							
Advanced Setup							
Layer2 Interface	This page allow	vs you to add a Dy	namic DNS addr	ess from	DynDNS.or	g or TZO, ar	NO-IP,
WAN Service	D-DNS provide	r <u>I</u>	DynDNS.org 🗸				
LAN		-		_			
NAT	Hostname		xhh3793.dyndns	org			
Security	Interface	1	poe_eth3/eth0.1	~			
Parental Control							
Bandwidth Control	DynDNS Sett	ings		_			
Routing	Username	1	alangwelanblan				
DNS	Password	1					
DNS Server							
Duptoric DNC							
Dynamic Dits				nahiPau	-		
DSL				ppiyraav	e		
UPnP							
Tond							
I erua	1						
Device Info	Dynamic DNS			-			
Advanced Setun	The Dynamic DNS many domains, all	service allows you to owing your Broadbar	alias a dynamic) id Router to be m	IP address Iore easily	accessed fro	nostname in a om various lo	any of the cations on
Laver3 Interface	the Internet.	antia kaj antaŭ britan De	in hard or DMC				
WAN Service	Choose Add of Ke	nove to configure by	mamic DNS,				
I AN	H	lostname	Username	Service	Interface	Remove	
NAT	X	nn3/93.aynans.org	qiangwelanojan	aynans	RU(0'T		
Sacurity			Add Ren	nove			
Beconcy							
Parental Control							
Bandwidth Control							
Routing							
DNS							
DNS Server							
Dynamic DNS							



4.2.10 DSL

This screen provides multiple ASDL modulation modes to meet diversified environments. You can also select phone line pair and Capability.

DSL parameter configurations must be supported by ISP to take effect. Actual parameters (see **Statistics-xDSL**) resulted from the negotiation between your router and ISP. Wrong configurations may fail your Internet access.

The best DSL configurations are the factory defaults. Only change them if you are instructed by your ISP or our technical staff when your router fails to negotiate with ISP in DSL (ATM) mode. Usually, this failure can be identified and confirmed if the ADSL LED on the device keeps displaying a slow or quick blinking light.

renda	3		
evice Info	DSL Settings		
dvanced Setup	Select the modulation below.		
Layer2 Interface	G.Dmt Enabled		
WAN Service	G.lite Enabled		
LAN	V T1 413 Enabled		
NAT			
Security	AUSIZ ENADIED		
Parental Control	AnnexL Enabled		
Bandwidth Control	ADSL2+ Enabled		
Routing	2 AnnexM Enabled		
DNS			
DSL	Select the phone line pair below.		
UPnP	 Inner pair 		
Print Server	 Outer pair 		
Storage Service			
Interface Grouping	Capability		
IP Tunnel	🗹 Bitswap Enable		
Certificate	SRA Enable		
Multicast			
IPTV Y		Apply/Save	Advanced Settings

Check the checkbox next to a modulation to enable it and then click Apply/Save.

Advanced Settings: Click it to enter the Advanced Settings screen as below.

Tenda

Device Info	DSL Advanced Settings	
dvanced Setup Layer2 Interface	Select the test mode below.	
WAN Service	Normal	
LAN	⊖ Reverb	
NAT	O Medley	
Security	O No retrain	
Parental Control Bandwidth Control	Q 13	
Routing		
DNS		Apply Tone Selection

Here you can select the test mode and tone.

襸 Tip

If you are unsure about the ADSL parameters, please apply the factory default settings. Wrong configurations may fail your Internet access.

4.2.11 UPnP

UPnP (Universal Plug and Play) allows Windows based systems to configure the device for various Internet applications automatically. UPnP devices can automatically discover the services from other registered UPnP devices on the network. If you use applications such as multiplayer gaming, peer-to-peer connections, or real-time communications, like instant messaging or remote assistance (a feature in Windows XP), you should enable UPnP.





Enable UPnP: Check/uncheck to enable/disable the UPnP feature.

▲_{Note}

UPnP is activated only when there is a live WAN service with NAT enabled.

4.2.12 Print Server

Enabling the Print Server makes all PCs in the LAN have an access to the USB printer which has been connected to this

router. Click Advanced Setup > Printer Server to enter screen below:





USB printing config:

Step 1: Connect the USB printer to the USB port of the device.

Step 2: Enable USB printing service of the device (the router).

- ① Enter the name of the USB printer in Printer name box.
- ② Enter the manufacturer and model of the USB printer in the Make and model box.
- ③ Click Apply/Save.

Device Info	Print Server settings	
Advanced Setup		
Layer2 Interface	This page allows you to enable / disable printer	support.
WAN Service		
LAN	 Enable on-board print server. 	
NAT		
Security	Printer name	
Parental Control	Make and model	
Bandwidth Control		
Routing		Apply/Save
DNS		
DSL		
UPnP		

Step 3: Add the printer from your local PC (In Windows XP OS)

(1) Click Start > Control Panel > Printers and Faxes > Add a printer;



Printers and Faxes							
Elle Edit Øew Favorites	Tools	Help jearch 🥑 Folders 🛛					
Address 🤤 Printers and Faxes							*
Printer Tasks	0	Name Adobe PDF Microsoft Office MMFax Print Driver	Documents D D D	Status Ready Ready Ready	Comments	Location My Documents	יז A M נו
See Also	Printer	Wizard, which helps you in Subre-hispa-be on n	istal a printer. 0	Ready Ready	8018A-1 Hsin Chu Level 8 8019A-1 Hsin Chu Level 8	8018A-1 8019A-1	H C
 Provide shoot printing Get help with printing 							
Other Places Control Panel Scenners and Cameres Control Panel My Documents My Retures My Retures My Computer							
Details	*						
		<)		1	AU		12

2 Click Next;



③ Select A network printer, or a printer attached to another computer and click Next;





(4) Select Connect to a printer on the Internet or on a home or office network, type in

"http://192.168.1.1:631/printers/hp3845" in the URL field and click Next;

Specify a Pri If you don't that meets	nter know the name or address of the printer, you can search for a printer your needs.
What printe	er do you want to connect to?
○ <u>F</u> ind a p	rinter in the directory
	t to this printer (or to browse for a printer, select this option and click Next):
Name:	
	Example: \\server\printer
⊙ Connec	t to a printer on the Internet or on a home or office network:
URL:	nttp://192.168.1.1:631/printers/hp3845
	Example: http://server/printers/myprinter/.printer

▲_{Note:}

Here "192.168.1.1" refers to this router's LAN IP address and "hp3845" refers to the USB printer name you've filled in on the Print Server Settings page (See **Step 2**).

⁽⁵⁾ Insert the printer driver CD into your computer and click **Have Disk...**;



Select the man an installation of printer document	ufacturer and model of you isk, click Have Disk. If you ntation for a compatible pri	ur printer. If your printer came ur printer is not listed, consult inter.	with your
Manufacturer Agfa Alps Apollo Apple APS-PS AST	AGFA-AccuS AGFA-AccuS AGFA-AccuS AGFA-AccuS AGFA-AccuS AGFA-AccuS	et v52.3 ietSF v52.3 iet 800 iet 800SF v52.3 iet 800SF v2013.108	•
This driver is digitally Tell me why driver si	signed. anino is important	Have Dis	ik

6 Click **Browse**, select driver file directory on CD-ROM and click **OK**;

Install F	rom Disk	×
F.	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	
	D:\enu\drivers\win9x_me	Browse

⑦ Select the manufacturer and the model of your printer. And click **OK**.

Add Pri	inter Wizard	? 💈
	Select the manufacturer and model of your printe an installation disk, click Have Disk. If your printe printer documentation for a compatible printer.	er. If your printer came with er is not listed, consult your
Printe	rs	
HP	Deskjet 3840 Series	
♪ Th	is driver is not digitally signed!	Have Disk
		OK Cancel



8 Choose "Yes" or "No" for default printer setting and click Next.



9 Click Finish.

Add Printer Wizard					
	Completing the Add Printer Wizard				
	You have successfully completed the Add Printer Wizard. You specified the following printer settings:				
	Name: hp3845 on http://192.168.1.1:631 Default: No Location: Comment:				
	To close this wizard, click Finish.				
	< Back Finish Cancel				

Check the status of printer from Windows "Control Panel", printer window. Status should be shown "ready".

Printers and Faxes							-	
Ble Edit View Favorites Iools Help								-
0	1 Ds	earch 🍋 Folders 💷 -						
Address Marters and Fi	axies			_		_		M
		Name -	Docum	Status	Comments	Location	Model	
Printer Tasks-	0	Adobe PDF	0	Ready	Creates Adobe PDF	My Documents	Adobe PDF Converter	
Add a printer		HP Deskjet 3840 Series	0	Offine			HP Deskjet: 3840 Series	
		hp3845 on http://192.168.1.1:631	0	Ready			HP Deskjet 3840 Series	
	-	Microsoft Office Document Image Writer	0	Ready			Microsoft Office Document Image Writer Driver	
		MM Fax Print Driver	0	Ready			ImageMaker FAX Printer Driver	
See Also	*							
Troubleshoot prints Get help with prints	ng Ing							