# User Manual of 11ac Wave2 Tri-band AP

This is the user manual of 11ac Wave2 Tri-band AP, which will approximate guide you how to set and apply the Ceiling AP, it provide a convenient graphical interface for network construction and maintenance person, as well as a user through a simple and accurate operation, and configuration management of the ceiling wireless access point.

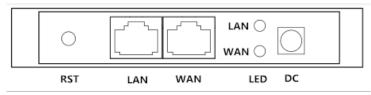
### 1<sup>st</sup> Hardware and Operation mode Instruction



#### LED indicator:

Green: Power Indicator Blue: WiFi Indicator

#### AP Interface:



RST: Reset Button, it make AP revert to default data after press it 15 seconds.

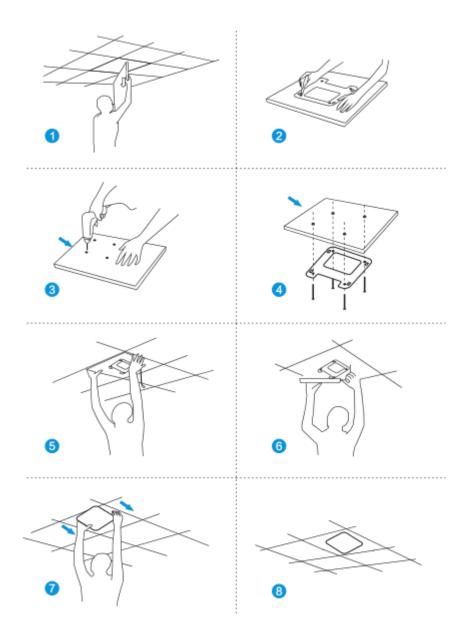
WAN: Gigabit WAN Port, connect with ADSL modem or Internet mainly. It will be LAN port under Wireless AP and WiFi Repeater operation mode

LAN: Gigabit LAN Port to end users

LED: LED Indicator of WAN port and LAN port

DC: DC power connector

#### **AP installation:**



#### Power Supply and working diagram:

#### 1. Work at home:

If work at home, this device can be power by DC adapter or PoE adapter. Then access into IP address 192.168.188.253, switch to FAT AP mode and setup the SSID. User can choose gateway or AP operation mode based on their Internet environment and structure.

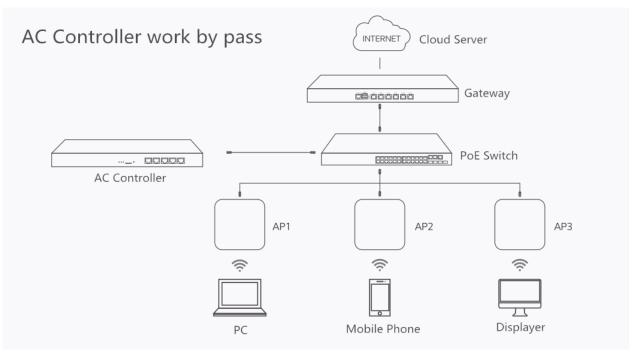


P1 Working diagram

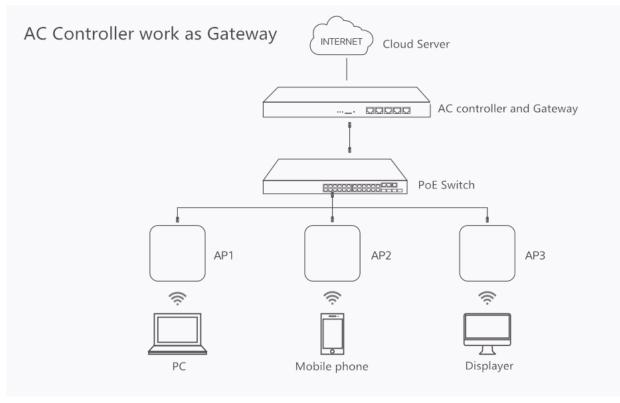
#### 2. Work in business area:

This wireless AP work in most business area like hotel, school, hospital, shopping wall etc.

In this application, it work in FIT AP mode, powered by PoE switch, managed by AC controller in centrally or remotely. The working diagram showed as follow:



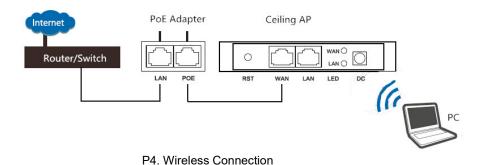
P2 Working Diagram



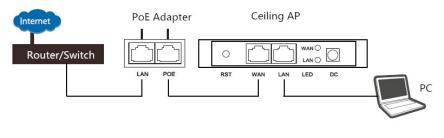
P3 Working Diagram

#### **Connect Wireless AP with PC:**

Use can connect the PC with wireless AP by Wireless SSID and LAN cable: The diagram of wireless connection showed as follow: PIs note: the default SSID is WirelessAP2.4G/5.8G, SSID's password is 66666666



The diagram of LAN cable connection showed as follow:



P5 Wired Connection

## 2nd: Login

1) Connect the Ceiling AP with computer

2) Configure the PC's local connection IP address as 192.168.188.X (X is number from 2 to 254), subnet mask is 255.255.255.0, follow P4 and P5 to finish.

ST	Disable
	Status
	Repair
	Bridge Connections
	Create Shortcut
	Delete
	Rename
	Properties

P5 Setting of computer's IP address

本地连接 Properties ? 👌	Internet Protocol (TCP/IP) Properties
General Advanced	General
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. O Obtain an IP address automatically ③ Use the following IP address: IP address: 192.168.188.10
Boos Packet Scheduler     Software Protocol (TCP/IP)  Install. Uninstall Properties	Subnet mask:         255 . 255 . 255 . 0           Default gateway:         1
Description     Transmission Control Protocol/Internet Protocol. The default     wide area network protocol that provides communication     across diverse interconnected networks.     Show icon in notification area when connected	O Dbtain DNS server address automatically  Use the following DNS server addresses:  Preferred DNS server:  Alternate DNS server:
Notily me when this connection has limited or no connectivity     OK Cancel	Advanced OK Cancel

P 6 Setting of computer's IP address

Input 192.168.188.253 into IE browser, then pop up the login page, the default login user name: Admin,
 Passwords: admin, pls do following P6

INTELLIGENT 2200M Wireless AP		
	* Login Device	► Login

P7 Login

### 3<sup>rd</sup> : WEB GUI interface Setting:

#### 1) Home

After login, if default mode is FIT AP, then following device status will be showed:

INTELLIGENT 2200M Wireless AP		🔁 Fit AP	đ
Information			
	192.168.188.253		
Subnet	255.255.2		
MAC Address	44:D1:FA:7C:C0:73		
Gateway	192.168.188.1		
AC Address	192.168.82.1		
Settings			
IP Mode	DHCP   Static IP  DHCP		
	Apply 🖸 Reset 🕧 Ref	poot	
Telnet	(Enabling Telnet could be hacked, Use it carefully!)		



In fit AP, user can configure the IP mode, reset and reboot this device. Other configurations is managed by AC

INTELLIGENT	2200M Wireless AP					<b>⊡</b>
Home	Operation Mode AP Mode	Fat AP Flov	w (2G WiFi) bps		— AP Down Stream — AP	' Up Stream
Wizard © WiFi MiFi Network	(( Uptime 00:04:02			-15 11-58-20 11-58-2	·5 11:58:30 11:58:35 11	
Manage	Device Information	B Device Description	a LAN	Information	<b>2G WiFi</b> 5G WiFi 1 5G W	
	CPU Usage <b>10%</b>		IP Moe Lan IP			
	Memory Usage <b>24%</b>	Click Settings				
	Wentory Usage 24%		AC Ad MAC A		Encrypt MAC Address	
	Version:FIT-6800-AP-V5.3-Build201902	222105647				

For the FAT AP, the login page showed as follow:

P7: Device Status

**FAT AP:** Mean this AP in FAT mode now, click here to change to FIT AP if need. Pls note: FAT AP comply with SNMP protocol, can be configured through GUI interface or managed by SNMP controller. FIT AP comply with CAPWAP protocol, can be managed by CAPWAP controller.

**Operation mode:** the default operation mode is AP; But in FAT AP, it support gateway, repeater, WISP operation mode also.

In the above picture, showed in AP operation mode, CPU usage, AP location, LAN IP and Wi-Fi status. And it can view user Wi-Fi connection information after click user quantity:

Operation Mode AP I		🛛 Fat AP					
	Client List					×	own Stream — AP Up Stream
	SN	Name	MAC Address	Signal	Connect Time		
Uptime 01:44:17							36 18:46:38 18:46:40 18:46:42
Device Information							
CPU Usage 2%							tus ON 0 D Wireless 2.4G
		🜔 🖨 Cli					
Memory Usage 26%							
				MAC Address			C Address 44:D1:FA:7C:C0:75

P8 client list

#### 2) Wizard

In FAT AP ,support Gateway, Repeater, WISP and AP operation mode, which can be set in Wizard. Let's show this

operation mode one by one:



P9 Wizard

#### 2.1 Gateway mode

Click Gateway mode, will ask for WAN settings, use choose the right internet mode based on their network structure,

then click to continue.

	Gateway Mode			×
	06			
	WAN Settings			
Wizard	Internet	Mode DHCP Static IP	×.	9
Vilaru		PPPoE DHCP		
<b>R</b>		Next		
Network				

P10. WAN setting in Gateway Mode

After configure the WAN setting, continue to Wi-Fi setting, including 2.4G Wi-Fi setting and 5G Wi-Fi setting:

In this part, mainly to set the SSID, channel, password, security...

Gateway Mode					×
0				-4	0
2G WiFi Setting					
WiFi Status	<b>(</b> )				
SSID	Wireless 2.4G				
	Hide your SSID ?	?			,
Channel	20M •	9	۳		
Encrypt	Encryption		۳		
WiFi Password	66666666				
	Back	Next			

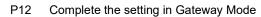
Gateway Mode				×
<ul> <li>2</li> <li>Set the first 5G WiFi</li> </ul>	3		-0	0
WiFi Status	•			
SSID	Wireless 5.8G_1	L		
	Hide your SSID ?			
Channel	40M <b>v</b>	44	T	
Encrypt	Encryption		Y	
WiFi Password	66666666			
	Back	Next		

P11 Wireless Setting in Gateway Mode

When click Next, then will complete the Gateway mode setting and show following picture, this AP will be reboot after

click OK.

Gateway Mode					
0	-0-		8		<b></b>
	Prompt I	Information			
		After the swite reboot?	ch mode, the	e device will	
			ОК	Cancel	



When return to Status, the page showed as follow:

INTELLIGENT	2200M Wireless AP							E→
Home Home Wizard WiFi Network	Operation Mode Gateway Mode O • Device Description		Flow(bps) 0 16:00:30	16:0:35	WAN D	Nown Stream — WAN	N Up Stream	
Security	Device Information	🛿 LAN Informatio	n	🛚 WAN Information	20	<b>i WiFi</b> 5G WiFi 1 5G V		
	CPU Usage 2%		2.168.188.253 5.255.255.0					
Manage	Memory Usage 25%	STP ON MAC Address 44 DHCP Server ON						
	Version:FIT-6800-AP-V5.3-Build2019022	22105647						



#### 2.2 WiFi Repeater mode

Click WiFi Repeater operation mode in Wizard, then following page will pop up, scan the Wi-Fi and choose the SSID to

be bridged, then next.

	Repeater Mode			×
	0			
	Repeater Settings			
Wizard	Select network	Use 2G repeater		Ð
Witard	Repeater SSID	Wireless2.4G	Scan	
<b>R</b>	Lock BSSID			
	Encryption	WPA/WPA2PSK_TKIPAES		
	Password	66666666		
Network	BandWidth	20M		
Network	P2P	<b></b>		
				; ne IP
		Next		/pe
				,DHCP
Manage	â	â		

P14 Repeater Mode

o set SSID, password, Α

After click Next button, then shoul channel, for broadcast 2.4G Wi-Fi		eless setting a	s follow, then clic	ck Next to se
				×
Repeater Mode				~
0			-0	
2G WiFi Setting				
WiFi Status	•			
SSID	Wireless 2.4G			
	Hide your SSID ?			
Encrypt	Encryption	•		
WiFi Password	66666666			
	Back	Next		
	_			

Repeater Mode				×
02	•••••		4	0
Set the first 5G WiFi				
WiFi Status				
SSID	Wireless 5.8G_1			
	Hide your SSID ?			
Encrypt	Encryption	Ŧ		
WiFi Password	66666666			
	Back	Next		

P15 Wireless Setting in Repeater Mode

Click Return button, will back to Status, show Repeater mode data, show fail or success, and user can configure this

data in this page if required.

	C 2200M Wireless AP						
Home	Operation Mode <u>Repeater Mo</u> Povice Description	de	Flow(bps)		— Repea	ter Down Stream —	Repeater Up Stream
Wizard WiFi WiFi Network	(() LAN LAN Uptime 00:13:08	WAR	0	16:17:30	16:17:35	16:17:40	16:17:45
*							
Manage	Device Information	🛙 LAN Inform	nation	🖩 Repeater Info	ormation	2G WiFi 5G WiF	
			192.168.188.253				
	CPU Usage 4%		255.255.255.0				
		MAC Address	44:D1:FA:7C:C0:73				
			100 100 100 1			e Encrypt	
	Memory Usage 24%	Gateway	192.168.188.1	Encrypt			þ
	Memory Usage 24%	Gateway DHCP Server		Encrypt Signal		MAC Address	

P16 Status in Repeater Mode

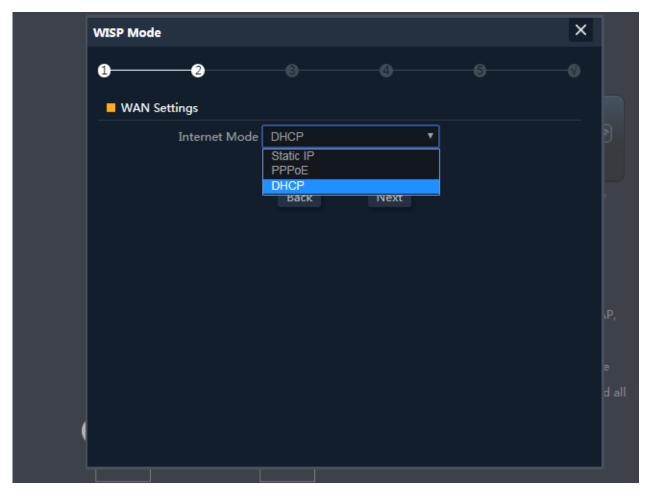
#### 2.3 WISP Operation mode:

Click WISP operation mode in Wizard, then will pop up the configure page, pls set the WISP operation mode based on the step showed in picture:

WISP Mode					×
0			0		
Repeater Se	ettings				
	BandWidth	Use 2G repeater	Ţ		
F	Repeater SSID	Wireless2.4G		Scan	
	Lock BSSID				
	Encryption	WPA/WPA2PSK_TI	KIPAES 🔻		
	Password	66666666			
	BandWidth	20M	<b>.</b>		
					ا.
		Next			
					e

P17 WISP Mode

Configure the right WAN setting in WISP operation mode, then next.



P18 WAN setting in WISP mode

Configure wireless data showed as follow, including 2.4G Wi-Fi and 5G Wi-Fi

			×
	-4		
<b>(</b> )			2
Wireless 2.4G			
Hide your SSID ?			
Encryption		T	
66666666			
Back	Next		
			e d all
	Wireless 2.4G Hide your SSID ? Encryption 66666666	Wireless 2.4G Hide your SSID ? Encryption 66666666	Wireless 2.4G Hide your SSID ?

P19 Wireless Setting in WISP mode

Then complete and back to status, will show the connection fail or success, then can configure the data based on request:

Home	Operation Mode WISP Mode	Online User 0	Flow(bps)		— Wisp Down Stream — Wisp Up Stream
Wizard (WiFi					
Network	Uptime 00:01:48		16:22:32	16:22:34 16:22:36 16:22:38	16:22:40 16:22:42 16:22:44 16:22:46 16:22
Network	Uptime 00:01:48	🛱 Repeater Informa		16:22:34 16:22:36 16:22:38	16:22:40 16:22:42 16:22:44 16:22:46 16:22 2G WiFi 5G WiFi 1 5G WiFi 2
Security	B Device Information	Repeater Informa			<b>2G WiFi</b> 5G WiFi 1 5G WiFi 2 Status
<b></b>		B Repeater Informa		WAN Information	<b>2G WiFi</b> 5G WiFi 1 5G WiFi 2 Status SSID
Security	B Device Information			WAN Information Internet Mode	<b>2G WiFi</b> 5G WiFi 1 5G WiFi 2 Status

P20 Status in WISP mode

#### 2.4 AP Operation mode:

For the AP mode, mainly from cable internet to Wi-Fi internet.

And for this AP, user can set fixed IP address for AP in LAN setting, or make AP obtain the IP address from gateway or

AC controller. If obtain the IP address from gateway, mean IP address will be same segment of gateway; And if obtain

IP address from AC controller, should set IP segment in the address server in AC controller part.

AP Mode				×	
0 0					
LAN Settings					
IP Mode	Static IP	•			
Lan IP	Static IP Get IP From AC				
Subnet	Get IP From Gate 255.255.255.0	way			
Gateway	192.168.188.1				
Primary DNS	114.114.114.114				
Secondary DNS	8.8.4.4				
	Next				
	_	survey page.	rne connection	type can be s	
		WAN page b	y using PPPOE,C	HCP client ar	

P21 LAN setting in AP Mode

Click next in LAN setting, enter into wireless setting to set the SSID, password, channel, including 2.4G Wi-Fi and 5G

Wi-Fi

AP Mode						×	
0					0		
2G WiFi Setting							
WiFi Status	<b>()</b>						9
SSID	Wireless 2	.4G					
	Hide your S	SID ?					
Channel	20M	T	9	۲			
Encrypt	Encryption						
WiFi Password	66666666						
	Back		Next				0
							ugh
							lien
							27.3 

P22 Wireless Setting in AP Mode

ITELLIGENT	2200M Wireless AP					C
Home	Operation Mode AP Mode	🛛 Fat AP	Flow (2G WiFi) bps		— AP Down Stream — AP Up Stream	
Wizard						
WiFi	(					
Network	Uptime 00:04:02		11:58:10	11:58:15 11:58:20 11:58:25	11:58:30 11:58:35 11:58:40	
Manage	Device Information	Device Description	on	🛚 LAN Information	2G WiFi 5G WiFi 1 5G WiFi 2	
	CPU Usage 10%	Click Sett	inas	IP Mode         Get IP From AC           Lan IP         192.168.188.253	Status ON 0	
	Memory Usage 24%			Subnet         255.255.255.0           AC Address         192.168.188.1	Channel 9 Encrypt WPA/WPA2PSK_TKIPAES	
				MAC Address 44:D1:FA:7C:C0:73	MAC Address 44:D1:FA:7C:C0:75	
	Version:FIT-6800-AP-V5.3-Build20190	222105647				

P23 Status in AP Mode

In WiFi setting, user can set SSID, channel, password, bandwidth for 2.4G wireless, 5.8G Wireless

Let's Click WiFi in home page, will show return home, will show 2.4G WiFi, 5G WiFi, MAC ACL, WiFi Timer off and

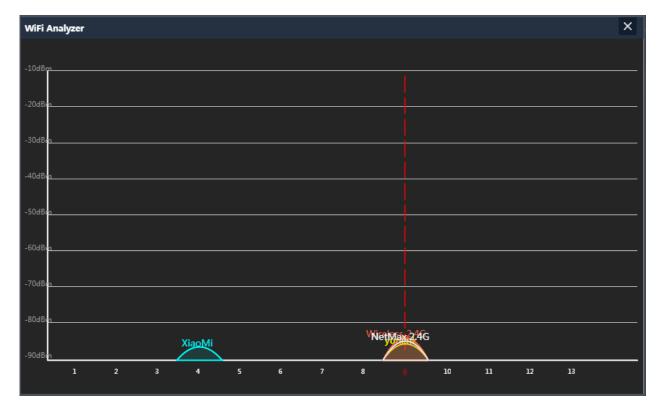
Advance:

For 2.4G WiFi, 5G WiFi, it is same configuration we showed in Wizard.

INTELLIGEN	T 2200M Wireless AP				
	2G WiFi 5G WiFi 1 5G W	iFi 2 MAC ACL	WiFi Timer Off	Advanced	
Home	Basic VAP 1 VAP 2				
	 WiFi Stat	tus 🚺	WiFi Analyzer		
Wizard		DID Wireless 2.4G			
		Hide your SSID ?	• • • • • • • • • • • • • • • • • • •		
	BandWid	th 20M			
WiFi	Chan	nel 9			
••••	Encry	pt Encryption			
	WiFi Passwo	ord 66666666			
Network					Apply
Manage					

P24 WiFi

In the above picture, we can find WiFi Analyzer: Mainly to analyze the AP's signal strength in some channel, then make



AP work in the channel with small quantity of AP, to avoid WiFi interference.

P25 Wireless Analyzer

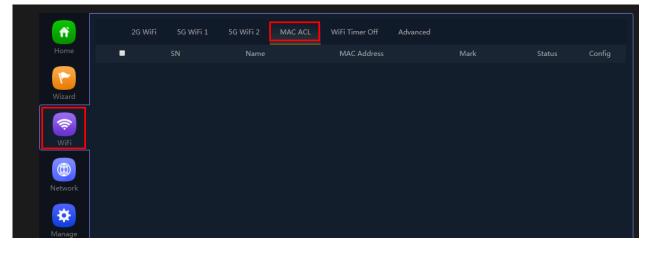
#### Virtural AP:

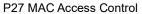
There are 3 virtual AP in 2.4G wireless, if need virtual SSID, then users can configure it showed in following picture: Click VAP1 in 2G WIFI--Enable WiFi status--input SSID, password--Click Apple to enable multi-SSID for 2.4G WiFi.

2G WiFi     5G WiFi 1     5G WiFi 2     MAC ACL     WiFi Timer Off     Advanced       Home     Basic     VAP 1     VAP 2     VAP 3       WiFi Status     SID     VAP01
WiFi Status SSID VAP01
SSID VAP01
Minard
Encrypt Encryption  WiFi Password 66666666
WiFi Password 66666666
WiFi
Apply
Network
Manage

P26 Virtual AP

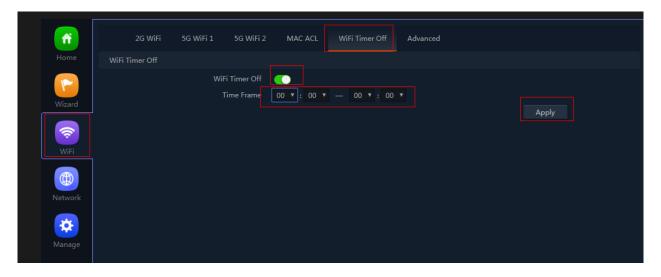
MAC ACL: Mean MAC access control: allow or deny user access by MAC address.





WiFi Timer Off: mean WiFi SSID will be off in the configured time.

Enable WiFi time off, set WiFi off time, then apply to finish.



P28 WiFi Timer Off

#### **Advanced Settings:**

In this page, will show the region, RF Power, Max user access...

2G WiFi	5G WiFi 1 5G WiFi 2	MAC ACL	WiFi Timer Off Advanced
Advanced			
	Country Region	China	
zard	2G Mode	11N/G	
ard	5G 1 Mode	11AC	
<u> </u>	5G 2 Mode	11AC	
/iFi	Multicast Fast	OFF	
	Maximum for per AP	64	(Range 1-64)
	WLAN Partition	OFF	
twork	Short GI	ON	
	Coverage Threshold	-90	(-95dBm~-65dBm)
<b>Č</b>	TX Power	Max	
nage	Preferred 5G	OFF	
	DFS	OFF	



Country Region: can choose China, USA, Brazil, UAE, ETSI, India.

2G mode: including 11n/g (40MHz), 11b/g(20MHz)

5G mode: including 11a(20MHz), 11an(40MHz), 11ac(80MHz)

Multicast Fast: Default is off, but can choose 6M,9M, 12M, 18M, 24M, 36M, 54M

Maximum for per AP: mean maximum user for each band.

WLAN Partition: mean user isolation, default is disable.

Short GI: data isolation, default is on.

Coverage Threshold: The input data is signal strength that user connect with AP. The data is smaller, then mean user will connect with weak signal AP; the data is larger, mean user will connect to the stronger signal AP. Recommend to input -90dBm.

TX Power: mean RF power is adjustable; Max mean the RF power showed in data sheet; Efficient: 4dBm lower than max; Enhanced: 4dBm lower than efficient...

Preferred 5G: mean band steering, 5G priority. Enable it, then mobile phone will connect with 5G SSID in priority.

DFS: special channel, most suit for USA, default is disable.

#### 4.Network setting:

In this page, mainly to show the LAN setting, VLAN setting and cloud server setting.

<b>M</b>	LAN Settings	VLAN Settings	Cloud Server Settings	
Home	LAN Settings			
		IP Mode	Static IP	
Wizard		Lan IP	192.168.188.253	
Wizard		Subnet	255.255.255.0	
() ()		Gateway	192.168.188.1	
WiFi		Primary DNS	114.114.114.114	
VVII 1		Secondary DNS	8.8.4.4	
	DHCP Server			
Network		DHCP Server	0	
Manage				Apply

P30 Network Setting

LAN Setting:

ń	LAN Settin	ngs Static DHCP VLA	AN Settings	Cloud Server Set	ttings
	LAN Settings				
		IP Mode	Static IP		
Wizard		Lan IP	192.168.188.25	53	
		Subnet	255.255.255.0		
<b>†</b>		Gateway	192.168.188.1		
WiFi		Primary DNS	114.114.114.11	14	
		Secondary DNS	8.8.4.4		
	DHCP Server				
Network		DHCP Server	<b>(</b> )		
*		Start Address			
		Max Number	251		
		DHCP Lease Time	24(Hour)		
		Assigned IP Number		DHCP List	

P31 WiFi Timer Off

VLAN setting:

This AP support tag VLAN based on SSID. Input VLAN ID in 2G SSID, then when user access into this SSID, it get

data from VLAN switch.

Network--VLAN setting--ON- Input VLAN ID on SSID--Apply.

		AP	VAP 1	VAP 2	VAP 3
		AP	VAP 1	VAP 2	VAP 5
۲	2G WiFi				
	5G WiFi 1				
<u> </u>	5G WiFi 2				VLAN-ID range 3-4094
WiFi					
() letwork					
tanage					

#### P32 Tag VLAN Setting

#### **Cloud Server setting:**

In this part, make AP access into cloud server for remote management. But make sure: A.the AP in Internet access

ñ	LAN Settings	VLAN Settings	Cloud Server Settings		
	Cloud Server Settings				
		Cloud Server			
Wizard		Cloud Server	www.yowifi.net		
vvizaro		Binding Code			
<del>,</del>					Apply
WiFi					
Network					
*					

already; B. Had registered ID from our cloud www.yowifi.net.

#### P33 Cloud setting

#### Management:

In this part, show the device backup, reboot, password modify, firmware upgrade and log.

	onfigure Reboot Modify Password Upgrade Time Log
Home	Jure
	Backup Save the configuration file to your computer
Wizard	Restore
<b>?</b>	Reset Default Restore the factory default settings, please press this button
WiFi	Telnet 🛛 🚺 (Enabling Telnet could be hacked,Use it carefully!)
Network	
🔅	
Manage	

#### P34 Management

Backup: Mean if you do some configure for this AP, then can save this configuration in file to computer. Next time if

reset the AP, then restore this backup file to restore this AP with same configuration before reset.

Reset default: mean restore to factory default settings, all configuration will be missed.

Telnet: Enable this, mean can do engineer debug, but have risk in hacking.

	Configure Re	eboot Modify Password	Upgrade	Time Log			
Home	Reboot						
		Reboot	Reboot				
Wizard		Timed Reboot	<b>(</b> )				
		<ul> <li>Reboot Time</li> </ul>	Everyday 🔻	0:00			
WiFi		<ul> <li>Restart Interval</li> </ul>	1Day				
						Apply	
Network							
Manage							

Reboot: Reboot the device immediately, or reboot the device in certain time. Can reboot everyday or every week.



Modify password: Modify WEB GUI login password, the default is admin.

	Configure	Reboot	Modify Password	Upgrade	Time	Log		
	Modify Passwor	ď						
			Old Password					
			New Password					
			Confirm Password					
								Apply
ork								

P36 Modify password

Upgrade firmware: Mean upgrade new firmware for this wireless AP, but before upgrade, pls note: A. the device can upgrade the firmware in newest version, can't upgrade old version; B. don't power off the device when upgrade the firmware; C. Reset the AP after firmware upgrade.

fî		og
	Upgrade	
~	Version:FIT-6800-AP-V5.3-Build2019022210	5647
	Whether to resume the factory configuration	
	🚹 Note: Do not power off during the proce	
		Upgrade
	k	
Manage		

P37 Firmware Upgrade

Time: Mean set system time for wireless AP.

ń	Configure	Reboot	Modify Password	Upgrade	Time	Log				
	Time									
~			System Time	2019-02-22 17	7:43:51					
Wizard			NTP Enable	•••						
<b>~</b>			Time Zone Select	(GMT+08:00	)Beijing, Cł	nongqing, H	long Kong, Ui	umc 🔻		
WiFi		N	lanual IP Settings	_						
			NTP Server	time.window	/s.com					
Network									Apply	
Manage										

P38 Time

Log:this is for AP working information, can export for problem recovery.

Configure Reboot Modify Password Upgrade Time Log	
Home	
Wizard Remote Log Service 0.0.0.0	
Fri Feb 22 17:19:51 2019 kern warn kernel: [ 4212.340473] [wifi0] ver = 1000000, name= wifi0 Fri Feb 22 17:19:51 2019 kern warn kernel: [ 4212.345495] FWLOG: [4261776] WAL DBGID SECURITY ALLOW DATA ( 0x4402ac )	<b>_</b>
WiFi Fri Feb 22 17:05:046 2019 kern wan kernel: [ 4267.294353] [wifi0] ver = 100000, name=wifi0	
Fri Feb 22 17:20:46 2019 kern.warn kernel: [ 4267.297793] FWLOG: [4317726] WAL_DBGID_SECURITY_ENCR_EN ( )	
Fri Feb 22 17:20:47 2019 kern warn kernel: [ 4268.294157] [wifi0] ver = 1000000, name= wifi0	
(i) Fri Feb 22 17:20:47 2019 kern warn kernel: [ 4268.297606] FWIGC: [313762] WAL DBGTD.SECURITY_ENCR_EN ( ) Fri Feb 22 17:20:48 2010 kern warn kernel: [ 4268.297807] [ wief]] war= 10000000, name= wief]	
Fri Feb 22 17:20:48 2019 kern warn kernel: [ 4269.293327] [wifi0] ver = 1000000, name= wifi0 Fri Feb 22 17:20:48 2019 kern warn kernel: [ 4269.296770] FWLDG: [4319799] WAL DEGID SECURITY ENCR EN ( )	
Network Fri Feb 22 17.20:48 2019 kern wan kernel: [ 4205-25019] [miD: [rotation machine wifii]	
Fri Feb 22 17:20:48 2019 kern warn kernel: [ 4269.949366] FWLDG: [4317920] WAL DBGID SECURITY ENCR EN ( )	
Fri Feb 22 17:20:48 2019 kern. warn kernel: [ 4269.954972] [wifi1] ver = 1000000, name= wifi1	
Fri Feb 22 17:20:48 2019 kern.warn kernel: [ 4269.959421] FWLOG: [4317920] WAL_DBGID_SECURITY_MCAST_KEY_SET ( 0x2 )	
Fri Feb 22 17:20:49 2019 kern.warn kernel: [ 4270.292809] [wifi0] ver = 1000000, name= wifi0	
Manage Fri Feb 22 17:20:49 2019 kern. warn kernel: [ 4270.296253] FWLD05[ 4320036] WALD05GD_SEUGHTY_ENCR_EN ( ) Fri Feb 22 17:20:50 2019 kern. warn kernel: [ 4271.292282] [ wifi01] yer = 1000000, name= wifi01	
Fri Feb 22 17:20:30 2019 kern wark kernel: [ 4211:285741] FWIDG Ver - 1000000, Rame- WING	
Fri Feb 22 17:20:50 2019 kern warn kernel: [ 4271.301371] [wifi0] ver = 100000, name= wifi0	
Fri Feb 22 17:20:50 2019 kern.warn kernel: [ 4271.305810] FWLDG: [4321938] WAL_DBGID_XCESS_FAILURES ( 0x4402ac, 0xef3d, 0x96, 0x0, 0x1 )	
Fri Feb 22 17:20:51 2019 kern.warn kernel: [ 4272.291792] [wifi0] ver = 1000000, name= wifi0	
Fri Feb 22 17:20:51 2019 kern warn kernel: [ 4272.295738] FWLDG: [4322908] WAL_DBGID_SECURITY_ENCR_EN ( )	
Fri Feb 22 17:20:52 2019 kern warn kernel: [ 4273.291287] [wife] yer = 1000000, name= wifi0 Ev: Feb 22 17:20:52 2019 kern warn kernel: [ 4273.201291] BWIOC, G220204] Wull Defin SUPURET WERE W. ( )	-
Fri Feb 22 17:20:52 2019 kern warn kernel: [ 4273.294891] FWLOG: [4323944] WAL_DBGID_SECURITY_ENCR_EN (     )   Fri Feb 22 17:20:52 2019 kern warn kernel: [ 4273.554360] [wifi2] ver = 1000000, name= wifi2	
Export Delete Refresh Apply	

P39 System info

## 4<sup>th</sup> Share Internet and Obtain IP address automatically

Set computer's TPC/IP as Obtain an IP address automatically, Obtain DNS server address automatically as

#### following picture showed.

the computer will obtain the IP address from router or base station to get Internet.

Status	😃 Properties 🔹 💽	Internet Protocol (TCP/IP) Properties
General Support	General Advanced	General Alternate Configuration
Connection	Connect using:	You can get IP settings assigned automatically if your network supports
Status: Duration:	Qualcomm Atheros AR8151 PCI-E Gig Configure	this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Speed	This connection uses the following items:	Obtain an IP address automatically
	Client for Microsoft Networks	O Use the following IP address:
	File and Printer Sharing for Microsoft Networks     Ross Packet Scheduler	IP address:
ļ	Stratemet Protocol (TCP/IP)	Subnet mask:
Activity	Instal Uninstal Properties	Default gateway:
Ser	Description	Obtain DNS server address automatically
	Transmission Control Protocol/Internet Protocol. The default	O Use the following DNS server addresses:
Packets:	wide area network protocol that provides communication across diverse interconnected networks.	Preferred DNS server
	Show icon in notification area when connected Notify me when this connection has limited or no connectivity	Alternate DNS server:
Properties Disat		Advanced
	OK. Cancel	OK. Cancel

P40 Fix IP.

#### Trouble Shooting:

F 1 The Failure phenomenon and solution

Failure phenomenon	Solution
SYS Indicator off	Pls make sure the PoE module connection is right. POE Port
	connect with AP, LAN port connect with computer
Can't land to Wireless AP through Web page	Pls check the IP address of computer and Wireless AP to see whether they are in same networking segment, The method is click "start"-"Run" input"cmd", ping 192.168.188.253 to test the Wireless AP connectivity. Reset Wireless AP and load it again; Pls make sure the IP address 192.168.188.253 is not occupied by other device in Wireless AP's networking; Check computer and cable problem, recommend to use 10/100M UTP unshielded cable; Clean up Arp binding from "Start"-"Run" input"cmd" arp –d Clean the IE Brower's temporary files and Cache file。
Wireless AP can't connect with AP (the status display unconnected)	Try to scan the available wireless networking again; Make sure the Wireless AP's wireless standard (11b/g/n, 2.4G) is correct; The Security and passwords are matched between Wireless AP and AP; The signal strength of AP is too weak to connect, should be more than -75dBm;
Can't scan the wireless AP	Scan it several times more; Make sure there are 5G signal existed. Reset the Wireless AP, scan it again after Wireless AP restart;
The connection of Wireless AP and AP is success, but the computer can't share internet	PIs Check the computer's IP address and DNS setting. If it is dynamin, set the network card as automatically obtain. If it is static IP, pIs contact with ISP for correct IP address and DNS address.
How to Reset Wireless AP	Press the "Reset" button more than 15 seconds after power on. The Wireless AP will restore factory default after the Wireless AP restart.

### Warning:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -- Reorient or relocate the receiving antenna.
- -- Increase the separation between the equipment and receiver.
- -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

#### **RF** Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter