DB108-WL
Wireless ADSL

DB108-WL is a wireless ADSL Modem it integrates ADSLand wireless AP function together. It eliminate the cabling workload when creating a LAN. It makes it possible for the user to access the internet even when in moving state. This device is especially suitable for the situation where cabling is inconvenient, such as hotel, coffee bar, airport, railway station and etc

Specification

Technique standard:

- ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt), G.992.2 (G.lite),   G.994.1 (G.hs)
- IEEE 802.11b
- IEEE 802.3   IEEE 802.3u   IEEE 802.1D
- USB1.1

Protocols that supported:

- RFC 2364 PPP over ATM AAL5 (PPPoA)
- RFC 2516 PPP over Ethernet relay (PPPoE)
- RFC 1483 LLC&VCMUX (Bridge and Router mode)
- RFC 1577 Classical IP   ARP over ATM

Support ATM

- ATM AAL5 UBR&CBR
- 8 PVCs   ATM Forum UNI3.1/4.0 OAM F4/F5 in compatible with I.610
- VPI/VCI Range: 0-255   0-65536

Network Access standard:

- IP Route Protocols : Static Routing and RIPv1, v2
- 802.1d Bridge protocol

- DHCP server function can assign automatically IP addresses to client PC within the LAN.
- DHCP Client function can get IP address from DHCP server.
- DHCP Relay Proxy
- NAT makes it possible for multiple client PC to share the same public IP address to access the internet.
- Support IGMP　IGMP Proxy　for video application
- VPN Transparency
- DNS Proxy
- Virtual Server　DMZ　PPP on Half Bridge

Management

- Configuration on Web pages.
- Hardware Reset to restore factory settings.
- USB Driver support Win98, Win98SE, Win2k, WinME, WinXP

Security

- MAC Address filter
- User Password Authentication
- Support PAP/CHAP Authentication of PPP protocol
- ESSID Function and 64/ 128bit WEP data encryption

Wireless

Working Frequency	2400 ~ 2483.5MHz ISM
Data rate	11Mbps　5.5M bps　2M bps　1Mbps
Modulation	DQPSK, DBPSK and CCK
Transmit Power	15dBm
Receive sensitivity	Min. –84dBm for 11Mbps @ 8% PER Min. –87dBm for 5.5Mbps @ 8% PER
Antenna	Embedded non-directional antenna
Roaming	In compliance with IAPP standard

LED display

- Power, link(ADSL), PC, Data

Port and Interface

- LAN port: RJ-45
- WAN Port: RJ-11
- USB port: Using for firmware upgrading and for internet accessing.

Power supply

- External Power adapter Input 22VAC 50Hz 5W Output 11VDC 700mA

Size

- 184mm length x145mm width x41mm height

Weight

- 271grams

Environment requirement

- Working temperature: 0°C–40°C,
- Storage temperature: –10°C–70°C
- Working humidity: 10–90% No condensing
- Storage humidity: 5–95% No condensing

Certification:

- UL1950 3rd Edition, FCC Part 15 Class B, FCC Part 68, CE Marked for EMC and Safety