

DB101 ADSL MODEM

Operational Description

1. ABOUT ADSL

DB101 ADSL MODEM is a broadband Internet access device, which utilizes the high frequency segment of the phone line to transmit high-speed data without interfering with the voice transmission. The frequency of ADSL signal is higher than that of voice, so voice and ADSL signal can coexist in one line by using a splitter to insulate each from the other. ADSL data transfer on the asymmetry way. The upload speed is up to 1Mbps and download speed is up to 8 Mbps. It is an ideal device for broadband access.

2. DEVICE FEATURES

1. USB v1.1 Compatible.
2. Utilizes USB BUS power; no additional power supply required.
3. Supports Hot-plug / Hot-swap
4. Supports Plug & Play
5. Supports ATM WAN Miniport, NDIS 5.0, and NDIS 4.0 Miniport.
6. Supports ANSI T1.413 ISSUE 2 and G.992.1 (G.DMT), G.992.2 (G.LITE).
7. Provides configuration and monitoring programs.
8. Upstream maximum transmission rates of 1 Mbps
9. Downstream maximum transmission rates of 8 Mbps
10. Maximum transmission distance of 5 km.
11. DB101 ADSL MODEM supports the following protocols:
 - 1) PPP over ATM (PPPoA) VCMUX (RFC2364)
 - 2) PPP over ATM (PPPoA) LLC (RFC2364)
 - 3) PPP over Ethernet (PPPoE) LLC SNAP (RFC2516)
 - 4) PPP over Ethernet (PPPoE) VCMUX (RFC2516)
 - 5) Bridged IP over ATM LLC SNAP (RFC1483)
 - 6) Routed IP over ATM LLC SNAP (RFC1483)
 - 7) Bridged IP over ATM VCMUX (RFC1483)
 - 8) Routed IP over ATM VCMUX (RFC1483)
 - 9) Classical IP over ATM (RFC1577)

3. SPECIFICATION

Power supply

- Uses USB bus for power. No power supply is needed.
- Power consumption $\leq 2.5W$

Dimension

- 138mm□Length□x 104mm□Width□x 13mm□Height□

Weight

- Weight: about 300 gram

Environment Requirements

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- Temperature: -5℃~45℃(23F~113F)
 - Relative humidity:10%~90%
 - Electromagnetic disturbance~Class B