

## AM-100E

### Ethernet ADSL Modem



The AM-100E is a 1-Port Ethernet ADSL Router combines an “Always-On” high speed Asymmetric Digital Subscriber Line (ADSL) connection to the Telephone Line, and a 10/100BASE-T LAN Port connection to a host PC or other Ethernet device to enable the widest array of host connectivity. This ADSL Router device set is fully compliant with ANSI T1.413 Issue 2, ITU G.992.1 and ITU G.992.2 specification. This rateadaptive solution is especially designed for Customer Premise Equipment that supports downstream data rates up to 8 Mbps and upstream data rates up to 1 Mbps.

#### Web Based Auto Installation

Traditionally, setting up the ADSL modem require knowledge on handshake protocol, VPI, VCI, and encapsulation. Those numbers are often difficult to obtain from ISP. The AM100E comes with Web based wizard that simply ask you about the country and ISP name, then your modem's settings are all correctly configured. The modem can support Annex A, B, and UR-2 protocols (different models) to ensure global compatibility with ISPs.

#### Specification

- Full Rate ANSI T1.413 Issue 2 and ITU G.992.1 standards compliant
- Supports Splitter less ITU G.992.2 specification
- DMT modulation and demodulation
- Maximum downstream rate of 8Mbps
- Maximum upstream rate of 1Mbps
- Reset button for fast default setting recovery
- Supports Dying Gasp functionality
- Supports HTTP Web-based management

#### ADSL Protocol Support:

- Full Rate ANTI T1.413 Issue 2 and ITU G.dmt (G.992.1)
- Splitter-less ITU G.lite (G.992.2)

#### Security:

- User Authentication for PPP
- PAP (Password Authentication Protocol)
- CHAP (Challenge Authentication Protocol)
- Password protected system management

#### LAN Interface:

- LAN Interface compliant with IEEE 802.3x standard
- Automatic MDI/MDIX crossover for 10/100 Base-T port

#### HTTP Web-Based Management:

- Firmware upgrade via FTP
- WAN and LAN connection statistics
- Configuration of static routes and Routing table, NAT/NAPT and VCs
- PPP user ID and password



## Specification

### ATM Protocol Support:

- WAN Mode:
- PPP over ATM (RFC2364)
- PPP over Ethernet (RFC2516)
- LAN Mode:
- Bridged/Router Ethernet over ATM (RFC1438)
- Classical IP over ATM (RFC1577)
- ATM Forum UNI 3.1/4.0 PVC, ATM SAR, ATMAAL5 and
- OAM F4/F5
- Support up to 8 Vcs

### Router Mode:

- IP Routing - RIPv2
- Static Routing
- DHCP (Dynamic Host Configuration Protocol) Server and Client
- NAT (Network Address Translation)
- NAPT (Network Address and Port Translation)
- ICMP (Internet Control Message Protocol)
- IGMP (Internet Group Management Protocol)

### Temperature:

- Operating: 0~50 degree C
- Non-operating: -20~70 degree C

### Humidity:

- Operating: 20%~80% RH
- Non-operating: 20%~80% RH

### Regulation:

- FCC Part 15 Class B, CE Mark

### Bridge Mode:

- Ethernet to ADSL self-learning Transparent Bridging (IEEE 802.1D)
- Support up to 128 MAC learning address

## Ordering Information

**AM-100E**      One Port Ethernet ADSL Modem