DSL-300

This modem connects to an RJ-45 10BASE-T Ethernet port of an Internet gateway or a PC. The ADSL phone line connection is made through a standard, built-in RJ-11 phone jack.

ADSL Modem For Broadband Connection

The DSL-300 is a broadband modem that provides high-speed connection for PCs and other hosts through an ADSL line. Host connection is through a 10BASE-T Ethernet interface. Offering users superior connectivity than traditional analog modems, this modem is designed to provide megabit access for interactive video, high speed data communication and Internet access for residential users.

Up to 8Mbps Speed
The modem features G.dmt modulation for speeds of up to 8 Mbps downstream and 640 Kbps upstream. G.lite is also supported, allowing up to 1.5 Mbps downstream and 512 Kbps upstream. G.lite is sufficient for most Internet applications today, and has the advantage of not requiring the installation of a splitter at the subscriber end. The modem auto-senses the connection type and auto-negotiates the best modulation scheme, G.dmt or G.lite using the G.hs (handshake) protocol.

Uses Existing Telephone Line
The ADSL modem operates over the existing telephone wire and does not require new transmission media such as fiber-optic cabling. ADSL makes possible high-speed multimedia services, Internet access, and video conferencing for anyone using a standard copper phone line.

No More Busy Signals
ADSL service, once installed, is always on. There is no need to dial the ISP or corporate LAN at the other end.

No Shared Bandwidth
Unlike traditional and cable modems, ADSL does not use shared bandwidth, a phenomenon that reduces connection speed as more users get on-line. With ADSL, the entire bandwidth is dedicated to a single connection.

Maximum Utilization of Resources
Regular telephone service uses only a tiny portion of the actual capacity of a conventional telephone line, while ADSL uses the remaining bandwidth for high-speed data transfer. This is accomplished by setting different frequency channels for different functions, so that voice communication occurs at the lower end of the frequency spectrum, while data transmission takes place at higher frequencies.

Increased Productivity
ADSL makes possible simultaneous voice and data transmission. It also lets users download lengthy documents and graphics files quickly.

Ethernet Interface
This modem provides a fast 10Mbps interface with the host PC or LAN through a 10BASE-T Ethernet interface. Many PCs today come with an Ethernet network adapter and/or are connected to an Ethernet LAN. The modem connects Ethernet devices through an included LAN cable through a standard RJ-45 jack.

Key Features

- *Supports G.dmt full rate and G.lite*
- *Auto-handshake for different ADSL flavors*
- *Standard 10BASE-T Ethernet port*
- *Supports bridged Ethernet over ATM*

- *Precise ATM traffic shaping*
- *Windows-based GUI for easy installation and setup*
- *Transparent bridging*

DSL-300
Technical Specifications

General

Standards
- ANSI T1.413 issue 2 (full rate DMT over analog POTS)
- ITU G.992.1 (G.dmt)
- ITU G.992.2 (G.lite)
- ITU G.994.1 (G.hs)
- IEEE 802.3 10BASE-T Ethernet standard

Data Rates
- DMT full rate downstream: up to 8Mbps
- DMT full rate upstream: up to 640Kbps
- G.lite ADSL downstream: up to 1.5Mbps
- G.lite ADSL upstream: up to 512Kbps

Interface
- ADSL: RJ-11 connector to connect to phone line
- Ethernet: RJ-45 connector to connect to host, 10Mbps half-duplex only

LED Indicators
- Power
- Status
- ADSL: Link, Act
- Ethernet: Link, Act

Signaling
- ATM signaling: UNI 3.0, 3.1 and 4.0
- Precise ATM traffic shaping

Management
- Built-in SNMP-based MIBs
- TFTP firmware upgrade/configuration backup/restore supported
- Telnet supported

Configuration
- Through built-in RS-232 DB-9 console port
- GUI configuration utility provided (Win98/NT)

Environmental & Physical

Power Consumption
8 watts (max.)

Power Input
Through AC power adapter (provided)

Storage Temperature
-25° - 55°C (-13° - 131°F)

Operating Temperature
0° - 40°C (32° - 104°F)

Humidity
5% - 95% non-condensing

Dimensions
223.3 x 131.7 x 35 mm (8.79 x 5.19 x 1.38 inches)

Weight
455 grams (1 lb.)

Emission
- FCC Class B
- CE Class B
- C-Tick

Driver Support
Microsoft Win 98, 98SE, 2000, ME

Safety
- UL/TUV

Telecom Certification
- FCC Part 68
- A-Tick

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Ordering Information

ADSL Ethernet Modem
DSL-300   ADSL modem with 10BASE-T Ethernet interface to host

Please specify one of the following after the model number:

/US	for USA
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