



DSL-300

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This modem connects to an RJ-45 10BASE-T Ethernet interface of a PC host. Phone connection is through an RJ-11 for ADSL access.

Broadband Ethernet Modem for Residential Users

The DSL-300 ADSL Ethernet modem connects a PC to an ADSL line 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

This modem features a DMT full rate for downstream line of up to 8Mbps and upstream line of up to 640Kbps. G.lite rate for downstream line is up to 1.5Mbps and upstream line is up to 512Kbps, high enough for most Internet applications today. G.lite support eliminates the need to install a splitter at the residence. The modem auto-senses the installed line and auto-negotiates between the full rate and G.lite.

Uses Existing Telephone Line

The ADSL modem operates on the existing installed twisted-pair copper telephone wire and does not require new transmission media such as fiber optic cable. ADSL enables high-speed multimedia services, Internet access and video conferencing for everyone using a standard, copper phone line.

No More Busy Signals

ADSL is always on once it is installed. There is no need to dial up to establish a connection to an ISP or to an office LAN.

No Shared Bandwidth

Unlike traditional or cable modems, ADSL does not use cross-user shared bandwidth, a phenomenon that has a significant detrimental effect on the

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 services use a minimal portion of the actual capacity of the telephone lines, while ADSL uses the remaining bandwidth for high-speed data transfer. This utilization is accomplished by setting different frequency channels for different functions, so that voice communication happens at the lower end of the frequency spectrum, while data transmission takes place at a higher frequency.

Increased Productivity

ADSL enables simultaneous use of voice and data transmission. It also lets users download lengthy documents and graphical files quickly.

Ethernet Interface

This modem provides a fast 10Mbps interface with the host PC through a 10BASE-T Ethernet interface. Many PCs today come with an Ethernet network adapter. The modem connects to this adapter through a provided twisted-pair copper wire LAN cable with RJ-45 phone-like jacks.

Key Features

- Up to 8Mbps high performance
- 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



ADSL Ethernet Modem

Technical Specifications

General

Standards

- ANSI T1.413 issue 2 (fullrate DMT overanalog 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 fullrate downstream: up to 8Mbps
- DMT fullrate 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
- System test
- ADSL: Link, Act
- Ethernet: Link, Act

Signaling

- ATM signaling: UNI3.0, 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

4 watts (max.)

Power Input

Through AC power adapter (provided)

Storage Temperature

-25°C - 50°C (-13°F - 122°F)

Operating Temperature

0°C - 50°C (32°F - 122°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
- BSMI Class B

Safety

- UL/CSA



ACN 052 202 838



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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/D for Denmark
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/R for Austria
/AU for Australia
/SG for Singapore
/CN for China

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