



— DSL-300T (v.A1)

ADSL Modem With Ethernet Interface

The DSL-300T ADSL modem provides simple and quick connection to an ADSL broadband line. This modem provides an auto-sensing 10/100Mbps dual-speed Fast Ethernet interface for convenient connection to a PC or Macintosh computer, a remote router or other hosts. With ADSL speed support of up to 8Mbps, a wide range of compatibility, easy installation and a tiny price tag, this modem takes your Internet and WAN connection to a new level of convenience and simplicity.

Up to 8Mbps Speed

The DSL-300T features G.dmt modulation for speeds of up to 8Mbps downstream and 832Kbps upstream. G.lite, which has the advantage of not requiring the installation of a splitter at the subscriber end, is also supported, allowing up to 1.5Mbps downstream and 512Kbps upstream. 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

Your ADSL modem operates over the existing telephone wire and does not require any new transmission media. The DSL-300T makes possible high-speed multimedia services, Internet access, and video conferencing for you, using a standard copper phone line.

"Always-on" or Dial-up Connection to ISP

The DSL-300T supports both "always on" and dial-up connections to ISP. "Always-on" eliminates the need to dial to ISP and is ideal for applications like IP telephony. Dial-up connection lets you save ISP charge, it allows you to disconnect from the Internet when you don't need to use it.

10/100Mbps Fast Ethernet Interface to Host

DSL-300T can connect to your computer, router or other hosts through a 10/100BASE-TX Fast Ethernet interface, commonly found in most computer equipment today. The modem auto-senses the host's Ethernet interface and auto-negotiates for highest available Ethernet speed.

Standards & Features

- Up to 8Mbps high performance
- Fully compliant with T1.413 issue 2, G.992.1 (G.dmt) Annex A, G.992.2 (G.lite) Annex A
- G.994.1 (G.hs) auto-handshake for different ADSL flavors
- Host interface: 10/100BASE-TX Ethernet port
- Protocol support: Bridged Ethernet over ATM, Classical IP over ATM, PPP over ATM, PPP over Ethernet
- Easy configuration through a web-based utility, Telnet support
- TFTP firmware upgradeable
- O.S.-independent

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Technical Specifications

ADSL Modem

Standards

ADSL standards: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A, ITU G.994.1 (G.hs)

Data Rates (ADSL Standards)

- G.dmt, downstream: up to 8 Mbps
- G.dmt, upstream: up to 832 Kbps
- G.lite, downstream: up to 1.5 Mbps
- G.lite, upstream: up to 512 Kbps

ATM/ADSL

- ATM Cell format ITU-T Rec. I.361
- ATM Adaptation Layer AAL5
- ATM signaling ATM Forum UNI3.1/4.0
- OAM support F4/F5 Loopback
- ATM QoS (Traffic Shaping) UBR, CBR, VBR, VBR

Interface

- ADSL: RJ-11 connector (to phone line)
- Fast Ethernet: 10/100BASE-TX RJ-45 connector, 10/100Mbps auto-sensing (to host)

LED Indicators

- Power
- Status
- ADSL Link, Act
- Ethernet Link, Act

Configuration & Management

- Built-in SNMP-based MIBs*
- TFTP and HTTP firmware upgrade
- Telnet support
- Reset button

* Support via future firmware upgrade

Physical & Environmental

Power Supply

- Output: 9VAC 1A
- Input: through external AC power adapter

Power Consumption

9 watts (max.)

Dimensions

142 (W) x 117 (D) x 31 (H) mm

Weight

200 grams

Operating Temperature

5° to 40 °C

Storage Temperature

-20° to 70 °C

Operating Humidity

5% to 95% non-condensing

Emissions (EMI)

- FCC Class B
- CE Class B

Safety

CSA International (CSA 950, EN 60950, IEC 60950, UL 1950)



Ordering Information

ADSL Modem
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10/100BASE-TX Ethernet interface to host

To select an ADSL device that works best with your service provider, please consult our D-Link sales representative of your area.

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