



— DSL-300T

## 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 ADSL2/2+ support, download speed of up to 24Mbps, a wide range of compatibility and a tiny price tag, this modem takes your Internet connection to a new level of convenience and simplicity.

#### High-Speed Internet Connection

The DSL-300T features the latest ADSL2/ADSL2+ standards, providing speeds of up to 24Mbps downstream and 1Mbps upstream (ADSL2+), or 12Mbps downstream and 1Mbps upstream (ADSL2). The modem auto-senses the connection type and auto-negotiates the best modulation scheme, using the G.hs (handshake) protocol. The high speeds make it possible to watch streaming video while carrying out large data transfer or engaging in a voice communication over the Internet.

#### 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.

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#### Standards & Features

- Up to 24Mbps downstream/1Mbps upstream (ADSL2+)
- Standard compliance: ITU G.992.1 (G.DMT), G.DMT.bis, ITU G.992.2 (G.Lite), ANSI T1.413 issue 2, G.992.3 (ADSL2), G.992.5 (ADSL2+), Annex A
- ITU 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

# DSL-300T

## 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
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A
- Auto-handshake: ITU G.994.1 (G.hs)

### Data Rates (ADSL Standards)

- G.dmt: 8Mbps downstream, 832Kbps upstream
- G.lite: 1.5Mbps downstream, 512Kbps upstream
- ADSL2: 12Mbps downstream, 1Mbps upstream
- ADSL2+: 24Mbps downstream, 1Mbps upstream

### ATM/ADSL

- ATM signaling: UNI 3.0, 3.1, 4.0
- OAM support F4/F5 Loopback
- ATM traffic shaping: UBR, CBR, 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

- HTTP firmware upgrade
- Telnet support
- Reset button

### Physical & Environmental

#### Power Supply

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

#### Power Consumption

3 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  
DSL-300T**

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.

# D-Link®

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