



— DSL-302T (v.A1)

ADSL Modem

With Ethernet & USB Interfaces

The DSL-302T ADSL modem provides simple and quick connection to an ADSL broadband line. This modem provides a 10/100BASE-TX Ethernet interface, and a USB port for connection to two computer 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-302T 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-302T 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-302T 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 Ethernet and USB Interface to Host

DSL-302T provides you the double advantage of two interfaces for host connections. You can connect this modem to your computer, router or another host through the provided 10/100BASE-TX Ethernet port. In addition, the modem also provides a USB 1.1 port to let you connect to another computer. For Ethernet, the modem auto-senses the host's interface and auto-negotiates for highest available Ethernet speed.

Firmware Upgradeable to Support Better ADSL Standards

Firmware inside the DSL-302T can be upgraded to support new DSL standards, including ADSL2, ADSL2+ and reach-extended ADSL2 (RE-ADSL2), providing better speeds, longer distance coverage, reduced power consumption while maintaining ADSL's always-on functionality. This allows you to take advantages of the higher speeds and functions when the new standards become available from your service provider, without changing your existing ADSL hardware or installation.

Functions & Standards

- 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
- Firmware upgradeable to ADSL2, RE-ADSL2 and ADSL2+ standards *
- 2 host interfaces: 10/100BASE-TX port and USB 1.1 port
- Protocol support: Bridged Ethernet over ATM, Classical
- IP over ATM, PPP over ATM, PPP over Ethernet
- WEB-based management and firmware upgrade, Telnet support
- TFTP firmware upgradeable
- Operates with Windows-based PC

* Firmware upgrade to ADSL2 available in the near future

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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)
- ADSL2 standards (firmware upgradeable): ITU G.992.3 (G.dmt.bis) Annex A, ITU G.992.4 (G.lite.bis) Annex A *
- RE-ADSL2 standards (firmware upgradeable): ITU G.992.3 (G.dmt.bis) Annex L, ITU G.992.4 (G.lite.bis) Annex L *
- ADSL2+ standards (firmware upgradeable): ITU G.992.5 Annex A/L *

* Firmware upgrade to ADSL2 available in the near future

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

Interface

- ADSL: RJ-11 connector (to phone line)
- Ethernet: 10/100BASE-TX RJ-45 connector, 10/100Mbps auto-sensing (to host)
- USB: 1.1 port (to host)

LED Indicators

- Power
- Status
- ADSL Link, Act
- USB Link, Act

Configuration & Management

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

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 (device only)

Weight

202 grams (device only)

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

O.S. Support

Windows 98 SE, 2000, ME, XP



Ordering Information

ADSL Modem

DSL-302T (v.A1) 10/100BASE-TX Ethernet and USB 1.1 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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