



DSL-100D

This internal adapter plugs into a PC's PCI expansion slot and connects the PC to the phone line for ADSL access. The phone line connector is a standard RJ-11 telephone jack. A second phone jack is built-in to allow a normal voice telephone connection.

ADSL Modem Card for Broadband Connection

The DSL-100D ADSL adapter is an internal modem that plugs into a PC's PCI slot and offers connectivity far superior to that of traditional analog modems. Capable of data rates measured in megabits per second, the DSL-100D brings interactive video and high-speed Internet access within easy reach of residential users.

Up to 8-Mbps Speed

The adapter 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 adapter 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 DSL-100D operates over 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 Resource

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.

Key Features

- PCI 2.2-compliant
- Supports G.dmt full rate and G.lite
- Supports bridged Ethernet over ATM, classical IP over ATM, and PPP over ATM, PPPoE
- Supports 8 bits of VPI and 16 bits of VCI address range
- Supports Win95, OSR2, Win98, 98SE, NT4.0, 2000, ME Plug-and-play installation
- GUI configuration and diagnostic tool
- 1 RJ-11 to connect to the phone line
- 1 RJ-11 to attach and use a telephone for simultaneous voice calls

DSL-100D

Technical Specifications

ADSL Modem Card



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)
- PCI v. 2.2

Data Rates

- G.dmt, downstream: up to 8 Mbps
- G.dmt, upstream: up to 640 Kbps
- G.lite, downstream: up to 1.5 Mbps
- G.lite, upstream: up to 512 Kbps

Encapsulation Schemes

- Bridged Ethernet over ATM (RFC 1483)
- Classical IP over ATM (RFC 1577)
- PPP over ATM (RFC 2364)
- PPPoE

Driver Support

- Microsoft Windows 95 OSR1, OSR2
- Microsoft Windows 98, Windows 98 2nd Edition
- Microsoft Windows NT 4.0
- Microsoft Windows 2000
- Microsoft Windows ME

Environmental & Physical

Power Consumption

2 watts (max.)

Storage Temperature

-25° - 55°C (-13° F - 131° F)

Operating Temperature

0° - 40°C (32° - 104° F)

Humidity

5% - 95% non-condensing

Dimensions

135 x 80 mm (6.6 x 3.7 inches)

Weight

88 grams (0.251lb.)

Telecom Certification

- FCC Part68
- A-Tick

Emission

- FCC Class B
- CE Class B
- C-Tick
- BSMI Class B



Ordering Information

PCI-bus ADSL Modem
DSL-100D Internal PCI-bus ADSL modem

D-Link®

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