



DSL-100D

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This internal adapter plugs into a PC's PCI expansion slot and connects the PC to the phone line for ADSL access. One RJ-11 connector connects to the ADSL line, the other RJ-11 connector can connect to a telephone set.

## Broadband Modem Adapter for PC Users

*The DSL-100D ADSL modem adapter is an internal card that plugs into a PCI bus of a PC. Offering users superior connectivity than traditional analog modems, this ADSL adapter is designed to provide megabit access for interactive video, high speed data communication and Internet access to residential PC users.*

### Up to 8Mbps Speed

This adapter 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 adapter auto-senses the installed line and auto-negotiates between the full rate and G.lite.

### Uses Existing Telephone Line

The ADSL adapter 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 a corporate 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.

### Key Features

- Compliant to PCI 2.2 specifications
- Supports G.dmt full rate and G.lite
- Supports bridged Ethernet over ATM, classical IP over ATM and PPP over ATM
- Supports 8 bits of VPI and 16 bits of VCI address range
- Built-in ADSL micro-filter
- Supports Win95 OSR1, OSR2, Win98, NT Win 2000
- Plug-and-play installation
- GUI configuration and management software

# ADSL Modem PCI Adapter



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## 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)
- PCI specifications v. 2.2

### Data Rates

- DMT fullrate downstream: upto 8Mbps
- DMT fullrate upstream: up to 640Kbps
- G.lite ADSL downstream: up to 1.5Mbps
- G.lite ADSL upstream: up to 512Kbps

### Phone Line Connector

2 RJ-11 to connect phone line

### Software

#### Data Encapsulation Formats Supported

- Bridged Ethernet over ATM (RFC1483)
- Classical IP over ATM (RFC 1577)
- PPP over ATM (RFC 2364)

### Drivers

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

### LED

- ADSL Act.
- Link

### Environmental & Physical

#### Power Consumption

4 watts (max.)

#### Storage Temperature

-25 ° - 55 °C (-13 °F - 131 °F)

#### Operating Temperature

0 ° - 55 °C (32 ° - 131 °F)

#### Humidity

5% - 95% non-condensing

#### Dimensions

135 x 80 mm (6.6 x 3.7 inches)

#### Weight

88 grams (0.25 lb.)

#### Emission

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



ACN 052 202 838



### Ordering Information

#### ADSL Modem PCI Adapter

**DSL-100D** ADSL modem adapter for PCI bus

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