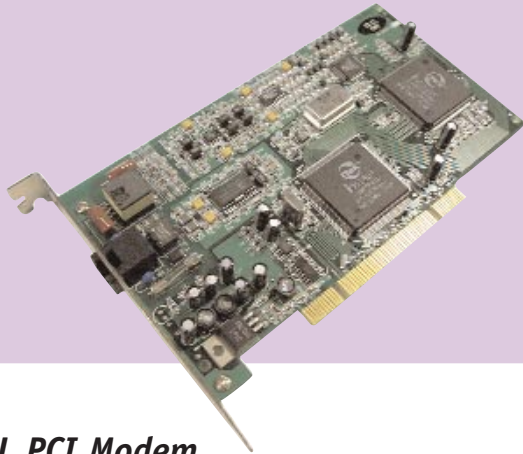


# ADSL PCI Modem Data Sheet



## ADSL PCI Modem SMC7003-PCI

Asymmetrical Digital Subscriber Line (ADSL) broadband WAN technology is ideal for residential or SOHO environments. Data and voice transmissions can be made simultaneously. Data is transmitted at 8Mbps over distances up to 18,000 feet (5km).

The SMC7003-PCI is a plug-and-play ADSL modem that provides high-speed Internet access over existing telephone lines. It features an always-on digital connection, delivers concurrent voice and data over a single line, and provides wide equipment interoperability and system compatibility. The modem's PCI bus seamlessly interfaces with PCs.

Designed to ensure a high-performance Internet connection for the SOHO environment, this new modem connects to the web at speeds equal to those available in your office. Its always-on digital connection saves you time by eliminating dial-up delays. The modem is interoperable with systems from major central office equipment makers, and provides compatibility with various ISP services (static or dynamic).

The modem also supports both full-rate G.dmt connection (with 8Mbps downstream and 640Kbps upstream), and the more economical G.lite connection (with 1.5Mbps downstream and 512Kbps upstream).

The new SMC ADSL/PCI modem allows SOHO users to employ a wide range of network applications. Multiprotocol encapsulation of TCP/IP, Novell's IPX and

Windows NetBEUI provides total access to the Internet and all your corporate resources (i.e. printers, file servers, and multimedia services).

With this new ADSL modem, investments are protected through the support of popular DSL connection models, including PPP over Ethernet, PPP over ATM, bridging and routing.

All SMC products are supported by a limited lifetime warranty.

### Features and Benefits

#### High Performance & Functionality

- Full ADSL standard support
- Full rate transmission at up to 8Mbps downstream; 640Kbps upstream
- G.lite transmission at up to 1.5Mbps downstream; 512Kbps upstream
- Full rate adaptive modem at 32Kbps steps
- Loop up to 18,000 feet (3.5 miles.)
- Plug-and-play connection
- Supports PPP over ATM and PPP over Ethernet
- MultiProtocol over ATM

#### Compatibility

- Windows 98/2000 compliant
- Interoperable with systems from most major DSLAM equipment makers

Product	Description
SMC7003-PCI	ADSL PCI Modem

# ADSL PCI Modem Specifications



## Specifications

### TRANSMISSION CHARACTERISTICS:

#### Service Type

- Dual Mode full rate G.dmt or economical G.lite

#### Data Rate

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

#### Data Type

- Simultaneous data and voice (can coexist with HPNA network)

#### Connection Length

- Up to 18000 ft. (5km) over 26 Gauge AWG

#### DSLAM Interoperability

- Compatible with T1.413-standard, as well as Cisco and Alcatel T1.413-like DSLAMs

### PHYSICAL CHARACTERISTICS:

#### Interface

- RJ-11 port for standard phone wire connection to ADSL service provider

#### Power Consumption

- 0.75A Max @ +5V (+/-5%)
- 0.1A Max @ +/-12V (+/-5%)

#### Temperature

- Operating Temperature: 0 ~ 50 °C with 1 meter/sec airflow
- Storage Temperature: -20 ~ 70 °C

#### Humidity

- Operating Humidity: 0 ~ 95% (Non-condensing)
- Storage Humidity: 0 ~ 95%

### SYSTEM REQUIREMENTS:

#### CPU

- Pentium 133MHZ and up (Pentium 166 recommended),
- Pentium II, Pentium III

#### Operating System

- Windows 98, Windows 2000 (i.e. NT 5.0)

### STANDARDS CONFORMANCE:

#### Emissions

- FCC Part 15 Class B, CE Class B, FCC Part 68

#### Safety:

- CE Mark

### STANDARDS:

#### Basic ADSL

- Full Rate ADSL – ANSI T1.413 Issue 2, G.dmt (ITU G.992.1), G.lite (G.992.2), G.hs (G.994.1)

#### Transport Protocols

- IP/ATM (RFC 1577), PPPoA (RFC 2364), PPPoE (RFC 2516), PPP (RFC 1661), Multiprotocol encapsulation, Bridged Ethernet/ATM, Routed IP/ATM (RFC 1483)

#### ATM Attributes

- ATM Transmission Convergence, ATM Framing (with traffic shaping), ATM SAR/AAL5, ATM Forum UNI3.1 signalling, ATM UBR Service Class

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