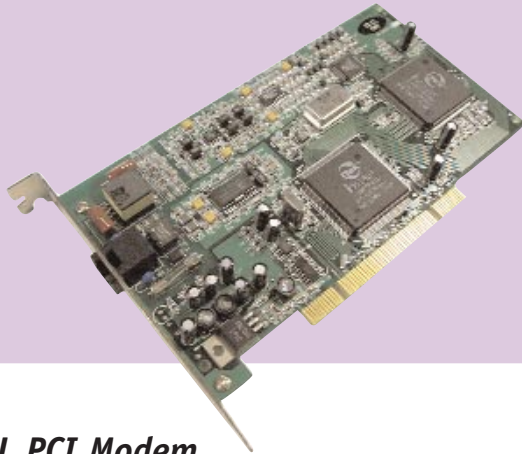


ADSL PCI Modem Data Sheet



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

www.smc.com

**SMC Networks Europe
Head Office**
Edificio Conata II
Fructuós Gelabert 6-8 2^a 4^a
08970 - Sant Joan Despí
Barcelona
Spain
Telephone
+34 93 477 4920
Facsimile
+34 93 477 3774

**SMC Networks
Spain**
Calle Josefa Valcarcel, 8
28027 - Madrid
Spain
Telephone
+34 91 320 2884
Facsimile
+34 91 320 8438

**SMC Networks
Northern Europe**
Ground Floor, Exa House
Alexandra Court
Denmark Street
Wokingham
Berkshire, RG40 2SL
United Kingdom
Telephone
+44 (0)118 974 8700
Facsimile
+44 (0)118 974 8701

**SMC Networks
Nordic**
Vallingbyplan 26, 2 tr
SE-162 65 Vallingby
Sweden
Telephone
+46 (0) 8 687 0700
Facsimile
+46 (0) 8 87 62 62

**SMC Networks
South Africa**
Zonneblom Building
16th Road
Constantia Square
Midrand
South Africa
Telephone
+27 (0) 83 292 40 43
Facsimile
+27 (0) 11 805 80 60

**SMC Networks
Southern Europe**
2 - 8 rue des Bourets
92150 Suresnes
France
Telephone
+33 (0) 1 41 38 32 32
Facsimile
+33 (0) 1 41 38 01 58

**SMC Networks
Central Europe**
Freischützstr. 81
D-81927 Munich
Germany
Telephone
+49 (0) 89 92861-0
Facsimile
+49 (0) 89 92861-230