ADSL USB Modem
Data Sheet

SMC ®
N e t w o r k s

COMPATIBLE
Windows®OS

Operating Systems
Win95 Win98 Win2000

ADSL USB Modem
SMC7003-USB

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-USB 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 USB port allows simple, instant configuration-free attachment to a PC's USB port.

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/USB 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
- High-performance Internet connection for the SOHO environment
- Always-on digital connection
- Delivers concurrent voice and data over a single line
- Wide range of LAN applications
- Plug-and-play for easy installation and self-configuration
- Dual-mode operation: supports G.dmt or G.lite connections

Instant Network Access
- High-speed access over existing phone lines

Compatibility
- Wide compatibility with various ISP services (static or dynamic)
- Interoperable with systems from most major DSLAM equipment makers

Product	Description
SMC7003-USB	ADSL USB Modem

Specifications

TRANSMISSION CHARACTERISTICS:

Service Type
- Dual mode (full rate G.dmt or economical G.lite) via hand-shaking (G.hs)

Data Rate
- G.dmt rate adaptive up to 8Mbps (downstream), 640Kbps (upstream).

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

Connection Length
- Up to 18,000 feet (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
- USB B-type connector for PC
- RJ-11 Port for standard phone wire connection to ADSL service provider

Input Power
- +5VDC, 470mA (maximum)

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Power Consumption
- Bus-powered: xxW; Self-powered: xxW

Temperature
- Operating: 0˚–50˚C (32˚ – 122˚F)
- Storage −20˚- 70˚C (-4˚ – 158˚F)

Humidity
- 5% - 95% (non-condensing)

Dimensions
- 12.82 x 12.80 x 2.85 cm
- 5,13 x 5,12 x 1,14 in.

Weight
- 1lb. (450gr)

LEDs
- Power, USB, ADSL

SYSTEM REQUIREMENTS:

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

USB Port
- Compatible with USB 1.1 or up

Operating System
- Windows 95, Windows 98, Windows 2000

STANDARDS CONFORMANCE:

Emissions
- FCC Class B, FCC Part 68, VCCI Class B, CISPR Class B, CE

Safety:
- CSA/NRTL (C.22.2.950,UL 1950), TUV/GS (EN60950), CE

STANDARDS:

PC
- Microsoft PC99, WHQL

Basic ADSL
- Full Rate ADSL: ANSI T1.413,ITU G.992.1 (G.dmt)
- G.992.2 (G.lite), G.994.1 (G.hs)

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 signalling, ATM UBR Service Class