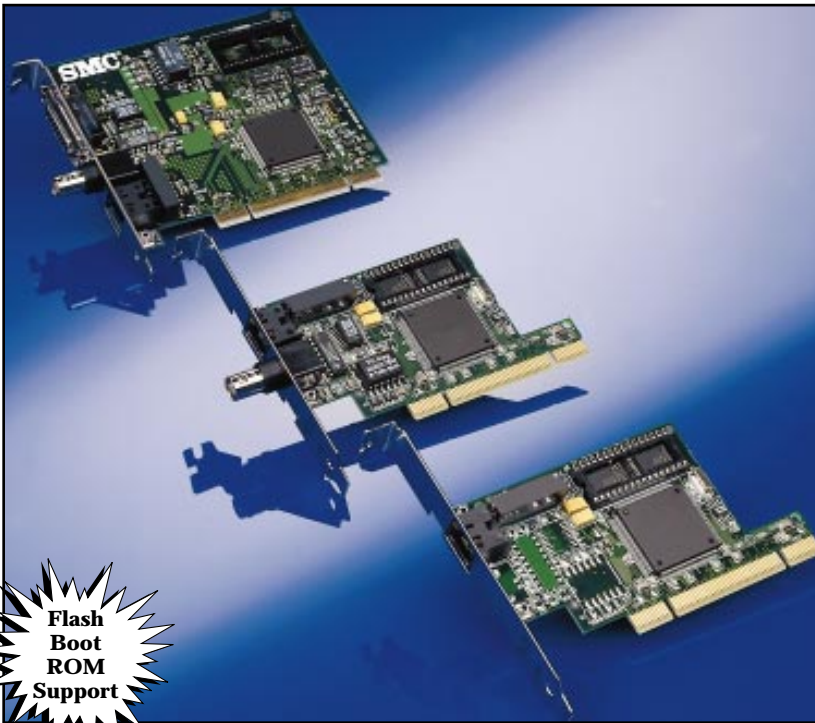




EtherPower

Ethernet PCI Network Cards

10BASE-T, 2- and 3-Port Combo Models



Unlock the Power of Your PCI System

SMC's EtherPower™ PCI network cards connect Pentium and 486 computers containing a Peripheral Component Interface (PCI) bus to an Ethernet twisted-pair, thin coax or thick coax network. Serving as a high-speed interface between the CPU and the network card, the PCI bus eliminates bottlenecks by bypassing the traditional I/O bus and providing a wider data path and a faster data transfer rate.

These 32-bit, high-performance bus-master network cards provide speeds up to 33 MHz and data throughput at rates as high as 132 MBps. They are the ideal solution for high-performance servers and workstations running bandwidth-intensive applications.

The EtherPower PCI network cards are auto-configurable for plug-and-play installation. Just power up the PC and the job is done. And, you can be sure that they will work with your network because they ship with the best driver selection in the industry, including Novell, Windows NT and Windows 95.

Choose from three models: a 10BASE-T card with an RJ-45 connector for unshielded twisted-pair cabling; a 2-port combo card with a BNC connector for thin coax cabling and an RJ-45 connector; and a 3-port combo card with BNC, RJ-45 and AUI connectors.

Features/Benefits

Outstanding Performance

- ◆ Bus-master burst mode data transfers enhance network performance by reducing CPU utilization
- ◆ SMC's unique SimulTasking™ pipelined data transfer technique for top performance
- ◆ Supports full-duplex Ethernet
- ◆ Interfaces to 32-bit PCI bus

Quick and Easy Installation

- ◆ Fully auto-configurable upon power-up
- ◆ Workstation configuration with a single command
- ◆ Software-selectable media interface (combo models)
- ◆ Diagnostic LEDs indicate status of both network and card
- ◆ On-board socket for optional Flash boot ROM with virus detection

Easy Desktop Management

- ◆ SMC's PC Agent/SNMP for desktop management from any SNMP-based Manager—included at no additional charge

Compatible

- ◆ IEEE 802.3 and ISO/IEC 8802-3 standards
- ◆ 32-bit PCI bus, v2.1

Reliable

- ◆ Lifetime warranty
- ◆ FCC Class B certified
- ◆ CE marking

Support for Popular Network Operating Systems

- ◆ Novell NetWare: DOS ODI Workstation and 386 (3.x/4.x) Server
- ◆ Microsoft: Windows 95, Windows for Workgroups, Windows NT
- ◆ Banyan VINES
- ◆ IBM LAN Server
- ◆ DEC Pathworks
- ◆ Artisoft LANtastic
- ◆ NDIS: DOS and OS/2
- ◆ UNIX: AIX (PowerPC), UnixWare 1.x, SCO
- ◆ AppleTalk (PowerMac): System 7
- ◆ Plus many other drivers available on SMC's Bulletin Board



For information, call or fax:

◆ SMC—Headquarters
Hauppauge, NY
Phones: (800) SMC-4-YOU
(516) 435-6000
Fax: (516) 273-1803

◆ SMC—Canada
Oakville, Ontario, CANADA
Phone: (800) SMC-4-YOU

◆ SMC—France
St. Germain-En-Laye
FRANCE
Phone: 33 (1) 30.87.42.42
Fax: 33 (1) 30.61.41.34

◆ SMC—Europe
Bracknell, Berkshire, UK
Phone: 44 (0) 1344 418800
Fax: 44 (0) 1344 418828

◆ SMC—Northern Europe
Bracknell, Berkshire, UK
Phone: 44 (0) 1344 418820
Fax: 44 (0) 1344 418826

◆ SMC GmbH—
Central Europe
München, GERMANY
Phone: 49 (0) 89 92861-0
Fax: 49 (0) 89 92861-230

◆ SMC GmbH—
E. Europe/Middle East
München, GERMANY
Phone: 49 (0) 89 92861-142
Fax: 49 (0) 89 9101934

◆ SMC—Australia
Sydney, AUSTRALIA
Phone: 61.2.238.2206
Fax: 61.2.238.2220
Melbourne, AUSTRALIA
Phone: 61.3.653.9461
Fax: 61.3.653.9548

◆ SMC—South Africa
Sandton, Johannesburg
SOUTH AFRICA
Phone: 27 (0) 11 784-0414
Fax: 27 (0) 11 784-0519

◆ SMC—Asia
SINGAPORE
Phone: 65-320-8391
Fax: 65-320-8359

◆ TMC—Japan
Tokyo, JAPAN
Phone: 81 (3) 57212271
Fax: 81 (3) 57212270

◆ SMC—EliteFAX™
Fax-on-Demand System
US/Canada: (800) SMC-8329
Elsewhere: (516) 435-6107

World Wide Web
<http://www.smc.com/>

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Specifications

Network Interface

RJ-45 (UTP Cable; EIA/TIA Categories 3, 4, 5)
BNC (Coax Cable, RG-58A/U or RG-58C/U)
AUI (External Transceiver Drop)

Weight

SMC8432T
2.6 oz. (74 gm)
SMC8432BT
3.4 oz. (96 gm)
SMC8432BTA
3.7 oz. (105 gm)

Size (without bracket)

5.0 in. x 4.2 in. (12.7 cm x 10.7 cm)

Diagnostic LEDs

Network Activity
Link Integrity

Bus Interface

PCI

Interface to PC

Bus-Master Burst Mode

DMA Channel

None

Interrupt Channels

INTA

Temperature

Operating
32° to 131° F (0° to 55° C)
Storage
-4° to 158° F (-20° to 70° C)

Humidity

Operating
10% to 90%
Storage
5% to 95%

Operating Voltage

SMC8432T
+5 VDC @ 100 mA (typical), 142 mA
(maximum)
SMC8432BT
+5 VDC @ 400 mA (typical), TP 558 mA
(maximum), coax 758 mA (maximum)
SMC8432BTA
+12 VDC @ 500 mA (typical)

Standards

IEEE 802.3 Ethernet
ISO/IEC 8802-3 Ethernet
PCI v2.1 compatible

Compliances

CE Mark
Safety
UL 1950
EN60950 (TÜV)
CSA 22.2 No. 950 (UL)
Emissions
FCC Class B
CDOC Class B
BMPT Vfg 243/1991
EN55022 (CISPR 22) Class B
VCCI Class 2

Warranty

Lifetime

Product	Order Number	Description
EtherPower Network Cards	SMC8432T	10BASE-T (RJ-45), single-pack
	SMC8432BT	2-Port Combo (RJ-45, BNC), single-pack
	SMC8432BTA	3-Port Combo (RJ-45, BNC, AUI), single-pack
	SMC8432T-05	10BASE-T, 5-pack
	SMC8432BT-05	2-Port Combo, 5-pack
	SMC8432BTA-05	3-Port Combo, 5-pack
	SMC8432T-20	10BASE-T, 20-pack
	SMC8432BT-20	2-Port Combo, 20-pack
	SMC8432BTA-20	3-Port Combo, 20-pack
	SMC8432T-50	10BASE-T, 50-pack
	SMC8432BT-50	2-Port Combo, 50-pack
	SMC8432BTA-50	3-Port Combo, 50-pack
Accessory	SMC-FROM	Flash Boot ROM with Virus Detection

