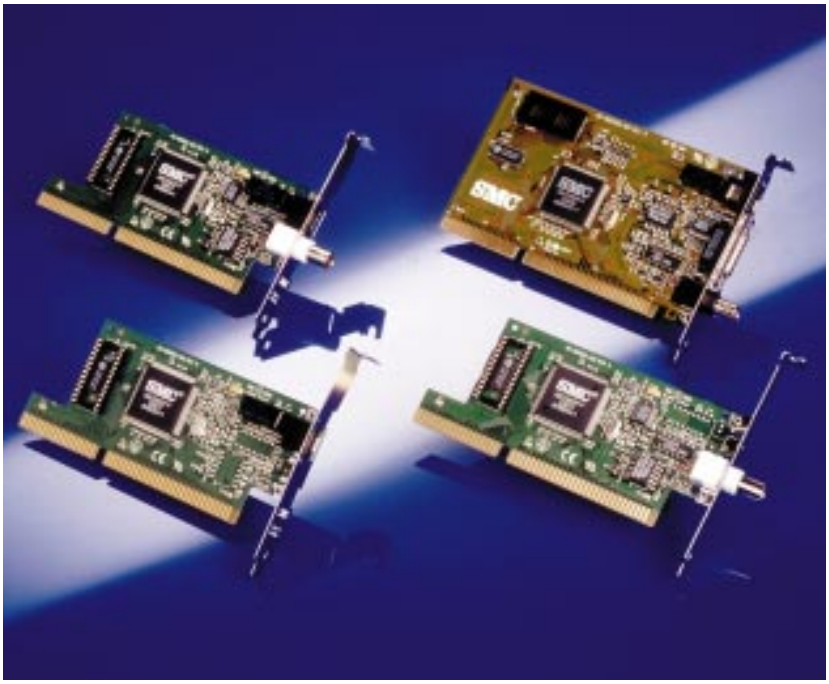
EtherEZ

ISA Ethernet Network Cards
10BASE-T, Thin Coax, and Combo Models



The Easy Way to Make Your Network Connections

For quick installation, superior performance and economical price, there's EtherEZ™, the *best* ISA Ethernet adapters we've ever made. According to XXCAL Test Laboratories, EtherEZ installs in less than thirty seconds, and its performance rivals that of any competitor!

These 16-bit adapters have been designed with such flexibility, they can be installed with equal ease in any ISA computer. They're fully auto-configurable in new Plug and Play (PnP) computers (simply install the adapter and power up), and can be configured in just a single step in older, non-PnP computers. They're also faster than any ISA card we've ever made, thanks to SimulTasking™ technology, SMC's unique pipelined data transfer technique.

EtherEZ's drivers are just as flexible and easy to use as the adapters themselves. The drivers are compatible with all previous generation SMC and Western Digital Ethernet adapters, so there's no need to keep track of which driver works with which SMC adapter. And, you can be sure that EtherEZ will work with your network, because it ships with the best driver selection in the industry and supports hundreds of networking environments, including Windows 95.

So, whether you've been using SMC's adapters for years or have never installed an adapter before, EtherEZ is the easy choice. Choose from four models: a 10BASE-T adapter with an RJ-45 connector for unshielded twisted-pair cabling; a 10BASE2 adapter with a BNC connector for thin coax cabling; a 2-port combo adapter with BNC and RJ-45 connectors; and a 3-port combo adapter with BNC, RJ-45 and AUI connectors.

Features/Benefits

Outstanding Performance

- SMC's unique SimulTasking pipelined data transfer technique for top performance
- Optimized network drivers

Easy Installation

- Installs in less than thirty seconds with a single-command utility
- EZStart™ utility simplifies driver installation
- Diagnostic LEDs easily visible on bracket
- On-board socket for optional Boot ROM

Compatible

- Plug and Play ISA specification v1.01a
- IEEE 802.3 and ISO/IEC 8802-3 standards
- Drivers support all existing EtherCard™ adapters, including Elite and Ultra

Easy Configuration

- Auto-configurable in PnP computers on power-up
- One-step configuration in non-PnP computers
- No shared memory space used when operating in I/O-mapped mode
- No jumpers to set
- Auto-media detect on combo models recognizes connector in use

Easy Desktop Management

- SMC's PC Agent/SNMP for desktop management from any SNMP-based Manager

Reliable

- Lifetime warranty
- FCC Class B certified
- CE marking

Support for Popular Network Operating Systems

- Novell NetWare: DOS and OS/2 Workstation and 386 (3.x/4.x) Server
- Microsoft: Windows for Workgroups, Windows NT and Windows 95
- Banyan VINES
- IBM LAN Server
- DEC Pathworks
- Artisoft LANtastic
- NDIS: DOS and OS/2
- UNIX: SCO, Novell UnixWare, Sunsoft ISC, Solaris x86, and many others
- Plus many other drivers available on SMC's Bulletin Board

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◆ SMC—EliteFax™
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Elsewhere: (516) 435-6107

World Wide Web

http://www.smc.com/

EtherEZ

ISA Ethernet Network Cards
10BASE-T, Thin Coax, and Combo Models

Specifications

Adapter Type
8416T (RJ-45 connector)
8416B (BNC connector)
8416BT (RJ-45 and BNC connectors)
8416BTA (RJ-45, BNC and AUI connectors)

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
8416T (2.2 oz./62 gm)
8416B (2.5 oz./70 gm)
8416BT (2.7 oz./76 gm)
8416BTA (3.8 oz./108 gm)

Size (without bracket)
6.15 in. x 2.7 in. (15.6 cm x 6.9 cm)

Diagnostic LEDs
8416T (Network Activity, Link Integrity)
8416B (Network Activity)
8416BT (Network Activity, Link Integrity)
8416BTA (Network Activity, Link Integrity)

Bus Interface
16-bit ISA

Interface to PC
I/O-mapped or memory-mapped

I/O Base Addresses
240 to 380 in increments of 20 (hex)

Interrupt Channels
2/9, 3, 5, 7, 10, 11

RAM
Buffer Size 8 KB
Base Addresses
C000 to EE00 in increments of 200 (hex)

Optional Boot ROM
Window Size 8 KB
Base Addresses
C000 to EE00 in increments of 200 (hex)
Protocols
NetWare, LAN Manager, IBM LAN Server, RPL, TCP/IP
Type 27512 (200 ns access time)

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
8416T, 8416B, 8416BT (+5 VDC ± 5%)
8416BTA (+12 VDC ± 10%)

Operating Power
Typical (idle)
8416T (0.60 W)
8416B (2.20 W)
8416BT and 8416BTA, 10BASE-T (2.10 W)
8416BT and 8416BTA, 10BASE2 (2.20 W)
8416BTA, AUI (2.25 W)
Maximum (active)
8416T (1.20 W)
8416B (3.85 W)
8416BT and 8416BTA, 10BASE-T (3.35 W)
8416BT and 8416BTA, 10BASE2 (3.85 W)
8416BTA, AUI (3.90 W)

Standards
IEEE 802.3 and ISO/IEC 8802-3 Ethernet
ISA PnP spec v1.01a

Mean Time Between Failures (MTBF)
More than 400 years

Compliances
CE marking
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
EtherEZ	SMC8416T*	Adapter with RJ-45 connector
	SMC8416B**	Adapter with BNC connector
	SMC8416BT*	Adapter with RJ-45 and BNC connectors
	SMC8416BTA*	Adapter with RJ-45, BNC and AUI connectors

* Available in 5-, 20-, 50- and 100-packs.

** Available in 5-, 20- and 50-packs.

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