

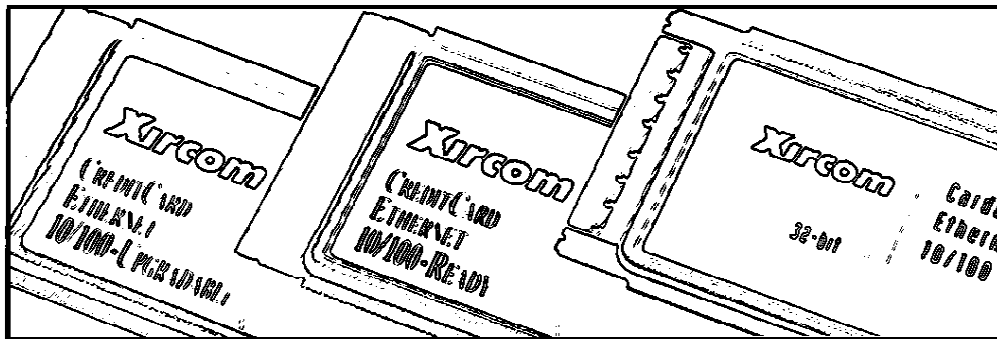
10/100 FAST ETHERNET FAMILY

Get full-featured 10/100Mbps connectivity for portable PCs with the Xircom family of Fast Ethernet solutions



The Xircom family of high-performance Fast Ethernet

solutions for portable PCs provides the industry's leading



support for both 10Mbps and 100Mbps networks. Protect your investment with adapters that give you the option to connect to 100Mbps Fast Ethernet networks when you are ready, for nearly the cost of a 10Mbps-only adapter.

The CreditCard Ethernet 10/100-Ready™ gives instant access to both 10Mbps and 100Mbps Ethernet networks.

The CreditCard Ethernet

10/100-Upgradable™ is the only 10Mbps PC Card that is upgradable to 100Mbps. The CardBus Ethernet 10/100™ brings high-speed PCI-based desktop performance to CardBus-equipped notebooks.

Xircom Fast Ethernet solutions ensure you the fastest network connection available, no matter what your configuration.

Xircom

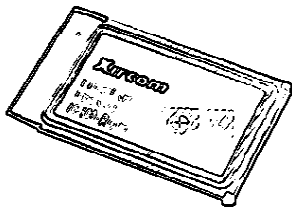
10/100 FAST ETHERNET FAMILY

Fast Ethernet Technology

Demanding applications such as database access, imaging, multimedia, and CAD/CAM, as well as growing E-mail and intranet traffic are quickly overwhelming standard Ethernet networks.

Fast Ethernet is the natural migration path for over-burdened 10Mbps network segments. Now portable PC users can enjoy the benefits of increased bandwidth and improved response time offered by 100Mbps when accessing network-intensive applications.

CreditCard Ethernet 10/100-Ready



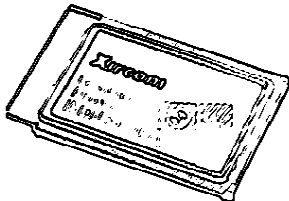
Today's installed base of portable PC users can connect to both standard Ethernet and Fast Ethernet networks with the award-winning CreditCard Ethernet 10/100-Ready for little more than a 10Mbps-only



solution. This 16-bit PC Card offers auto-sensing of 10Mbps or 100Mbps networks, a comprehensive suite of drivers including Windows 95 and Windows NT, and user-friendly installation software.



CreditCard Ethernet 10/100-Upgradable

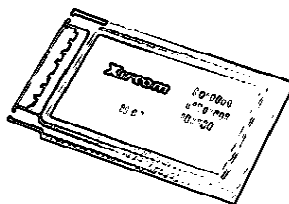


If you are planning to implement Fast Ethernet in the future and require a cost-effective, upgradable 10Mbps-only solution today, the CreditCard Ethernet 10/100-Upgradable gives you complete



flexibility. Add 100Mbps capability by simply purchasing a 10/100Mbps Upgrade Kit.

CardBus Ethernet 10/100



The CardBus Ethernet 10/100, featuring next-generation PC Card technology, brings PCI-based desktop functionality to portable PCs in both 10Mbps and 100Mbps network environments. This leading-edge,



32-bit adapter enables you to take full advantage of the increased bandwidth of Fast Ethernet networks when used with a CardBus-equipped notebook. Bus-mastering increases data transfer speeds between your notebook and network by off-loading tasks from the system's processor, freeing it up to perform other functions.

Features and Benefits

Unparalleled performance

- The CardBus Ethernet 10/100's 32-bit, PCI-based architecture enables CardBus-equipped notebooks to take full advantage of the increased bandwidth offered by 100Mbps Fast Ethernet networks—up to eight times the speed of 16-bit PC Cards
- The CreditCard Ethernet 10/100 doubles the performance of 16-bit PC Card-equipped notebooks on Fast Ethernet networks
- Full-duplex capabilities allow data to be sent and received simultaneously, doubling the effective throughput in full-duplex environments
- Advanced Look-Ahead Pipelining increases Ethernet throughput by up to 60 percent

Easy to use

- Xircom's installation program automatically determines and configures PC and Network Operating System (NOS) settings
- Adapters auto-sense the speed of the network, providing seamless operation on either 10Mbps or 100Mbps network segments
- SNMP network management agent allows portable PC to be managed using SNMP-based network management software

Investment protection

- Support for both standard and Fast Ethernet networks allows a single adapter to provide high-performance 10Mbps connectivity today, with built-in support for future implementation of 100Mbps networks

World class service and support

- Xircom offers CustomCareSM, an extensive array of service and support programs including world class phone support and 24-hour access to our BBS, World Wide Web, FactsLine, and CompuServe Forum

Compatibility

- Support for a wide range of Network Operating Systems and portable PCs
- Guaranteed to work in your environment or your money will be refunded within 30 days of purchase

Features and Benefits Chart				
	CreditCard Ethernet 10/100-Ready	CreditCard Ethernet 10/100-Upgrade Kit	10/100-Upgrade Kit	CardBus Ethernet 10/100
Model Number	CE3B-100BTX	CE3-10BT	CE3-10BC	CBE-10/100BTX
Ethernet LAN Connector	one RJ-45	one RJ-45	one RJ-45 & one BNC	one RJ-45
Ethernet Type Supported	10Base-T & 100Base-TX	10Base-T	10Base-T & 10Base-2	10Base-T & 100Base-TX
Instant 100Mbps Support	▲	with purchase of Upgrade Kit	with purchase of Upgrade Kit	▲
Auto-senses Network Speed	▲			▲
Auto-negotiation of 10 or 100Mbps, full- or half-duplex				▲
Works in 16-bit PC Card Slots	▲	▲	▲	
Works in 32-bit CardBus Slots	▲	▲	▲	▲
Installation Program for Windows 3.x	▲	▲	▲	▲
Full-duplex	at 10Mbps only	at 10Mbps only	at 10Mbps only	▲
SNMP Agent	▲	▲	▲	▲
Advanced Look-Ahead Pipelining	▲	▲	▲	
Bus-mastering				▲

10/100 FAST ETHERNET FAMILY

Specifications

CreditCard Ethernet 10/100

Models Available:

CE3B-100BTX

CreditCard Ethernet Adapter 10/100-Ready
Supports both 10Base-T and 100Base-TX networks with a single adapter cable; auto-sensing of 10Mbps or 100Mbps operation

CE3-10BT

CreditCard Ethernet Adapter 10/100-Upgradeable Supports 10Base-T networks. Upgradeable to 100Mbps with purchase of 10/100Mbps Upgrade Kit, model CE3CBL-100BTX

CE3-10BC

CreditCard Ethernet Adapter 10/100-Upgradeable Supports 10Base-T and 10Base-2 networks with individual adapter cables. Upgradeable to 100Mbps with purchase of 10/100Mbps Upgrade Kit, model CE3CBL-100BTX

Standards

Type II PCMCIA Card
IEEE 802.3 for 10Base-T and 10Base-2
IEEE 802.3u for 100Base-TX
10/20Mbps full-duplex on 10Base-T full-duplex networks

Power Requirements:

Model CE3B-100BTX
10Base-T +5V DC, 320 mA typical, 460 mA max
100Base-TX +5V DC, 340 mA typical, 490 mA max

Model CE3-10BT

10Base-T +5V DC, 195 mA typical, 230 mA max

Model CE3-10BC

10Base-T +5V DC, 195 mA typical, 230 mA max
10Base-2 +5V DC, 280 mA typical, 330 mA max

Memory Size

32 KB RAM packet buffer

Hardware Compatibility

Supports all popular PC Card (PCMCIA) compliant PCs including AST, Compaq, Dell, Digital, Gateway 2000, HP, IBM, NEC/Packard Bell, Panasonic, Sharp, Texas Instruments, Toshiba and Zenith Data Systems

Software Compatibility

Card and Socket Services—
Supports most Card and Socket Services including Award, Databook, IBM, Phoenix, SystemSoft, and VMI

CardBus Ethernet 10/100

Model:

CBE-10/100BTX

CardBus Ethernet 10/100 Adapter
Supports both 10Base-T and 100Base-TX networks with a single adapter cable; auto-negotiation of 10Mbps or 100Mbps operation.

Standards

Type II CardBus PC Card
IEEE 802.3 for 10Base-T
IEEE 802.3u for 100Base-TX
10/20Mbps full-duplex on 10Base-T full-duplex networks
100/200Mbps full-duplex on 100Base-TX full-duplex networks

Power Requirements:

10Base-T +3.3V DC, 360mA typical, 400mA max
100Base-TX +3.3V DC, 285mA typical, 315mA max

Hardware Compatibility

Supports all popular CardBus-equipped PCs including IBM, NEC, and Toshiba

Specifications common to all models

Operating Distances

328 ft. (100m)
607 ft. (185m) for 10Base-2 (on CE3-10BC)

Physical Characteristics

Size: 3.37 x 2.13 x 0.20 inches
(86 x 54 x 5 mm)

Weight: 0.85 oz (24 g)

Environmental Conditions

Operating Range:

32 to 131 degrees F,
0 to 55 degrees C

Storage Range:

-4 to 149 degrees F,
-20 to 65 degrees C

Humidity: 95% max. noncondensing

Network Operating Systems—

Supports all popular network operating systems including Novell NetWare, Microsoft Windows NT, Windows 95, Windows 3.x, Microsoft LAN Manager, Artisoft LANtastic, Banyan VINES, and DEC PATHWORKS

LEDs

Power On (green for 10Base-2 on CE3-10BC)
Transmission Activity (yellow)
Link Integrity (green for 10Base-T)
Link Integrity (orange for 100Base-TX)

Certification

Model: CE3B-100BTX FCC Class B, CE Mark
Models: CE3-10BT, CE3-10BC, and CBE-10/100BTX FCC Class A, CE Mark

Warranty

Limited lifetime hardware, 2 years software

Support

Xircom offers CustomCare™, an extensive family of service and support programs, including world-class phone support, plus 24-hour access to our BBS, World Wide Web, FactsLine, CompuServe Forum, and other electronic facilities. CustomCare also offers access to a custom plan. Reference CustomCare on FactsLine Documents-By-Fax for details (800-775-0400).

After Hours and Weekend

Emergency Support

After hours and weekend emergency support is available on a call back basis at a flat rate of \$50 per call. A credit card is required for this emergency service.

Fast Ethernet Product Drivers

Drivers Supplied	CreditCard Ethernet 10/100	CardBus Ethernet 10/100
ODI (DOS 16-bit)	▲	▲
ODI (OS/2 16-bit)*	▲	▲
ODI (32-bit Novell client/server)	▲	▲
NDIS2 (DOS 16-bit)	▲	▲
NDIS2 (OS/2 16-bit)*	▲	▲
Packet	▲	▲
NDIS3 (32-bit for Windows 95)	▲	▲
NDIS3 (32-bit for Windows NT)	▲	▲

* OS/2 Drivers do not support OS/2 Card Services

Additional Operating Systems and Drivers

Many additional operating systems support Xircom adapters by utilizing standard drivers supplied by Xircom. Call the Xircom FactsLine and request document no. 8003 for a current listing. Some proprietary operating systems vendors have also developed specialized drivers for Xircom products. Contact your vendor for availability.

Need More Information? Call Xircom's FactsLine at 1-800-775-0400



Portable PCs Supported



CustomCare Support Program



Xircom CardBus Compatible Portable PC List



CardBus White Paper—Beyond 16-bit I/O



Network Operating Systems Supported



Index of FactsLine Documents



CardBus Ethernet 10/100 Frequently Asked Questions

You'll find us on the World Wide Web at www.xircom.com.

Xircom

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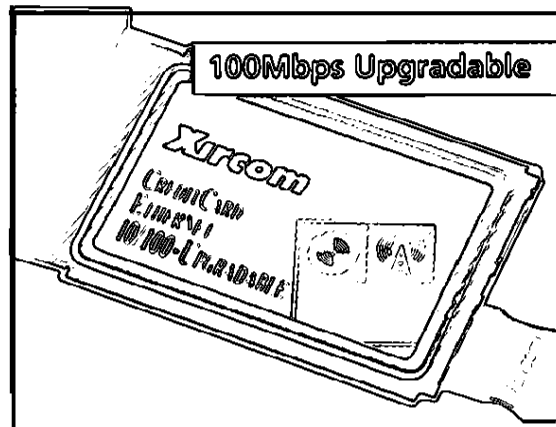
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10Mbps ETHERNET

FACTS
LINE
6701

FACTS
LINE
6702

CreditCard Ethernet 10/100-Upgradable



10Mbps PC Card Upgradable to 100Mbps networks

- 10Mbps Ethernet PC Card based on the award-winning architecture of Xircom's popular CreditCard Ethernet IIps
- Upgradable to support 100Base-TX networks by simply adding a new adapter cable
- Full suite of drivers, including Windows 95 and Windows NT
- Windows 3.x installation program and SNMP agent included

CE3-10BT

CE3-10BC

CreditCard Ethernet IIps also available

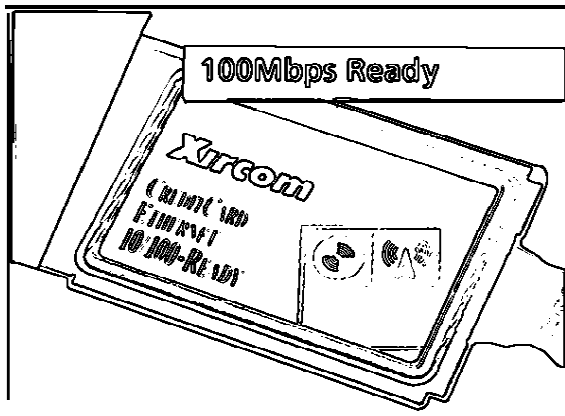
10/100Mbps Upgrade Kit

- Adds 100Mbps 100Base-TX support to CreditCard Ethernet

CE3CBL-100BTX

10/100Mbps ETHERNET

CreditCard Ethernet 10/100-Ready



10/100Mbps PC Card for 10Base-T and 100Base-TX networks

- 10Mbps and 100Mbps connectivity provides investment protection for future implementation of Fast Ethernet
- Enables today's notebooks to connect to either 10Base-T or high-performance Fast Ethernet networks
- Auto-sensing of 10 or 100Mbps connection rate means adapter automatically configures itself to network speed
- Full suite of drivers, including Windows 95 and Windows NT
- Easy to use with Windows-based installation program
- SNMP agent allows the portable PC to be managed using SNMP-based network management software

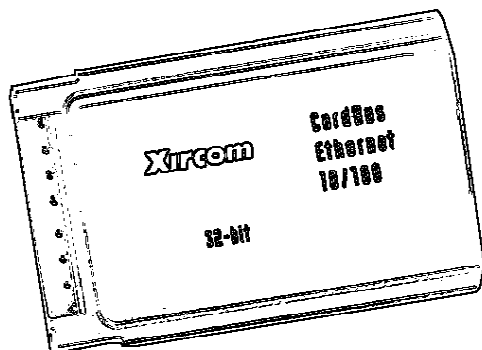
CE3B-100BTX

10/100Mbps Ethernet – CARDBUS

CardBus Ethernet 10/100

FACTS
LINE
8801

32-bit



10/100Mbps CardBus PC Card for 10Base-T and 100Base-TX networks

- Connects CardBus-equipped portable PCs to 10Mbps and 100Mbps Ethernet networks with the fastest notebook-to-LAN connection available
- CardBus 32-bit bus-mastering architecture speeds data transfers between the portable PC and the network without burdening the PC's processor
- Support for both 10 and 100Mbps networks on a single adapter, provides investment protection for future implementation of Fast Ethernet networks
- Auto-negotiation of 10Mbps or 100Mbps network connection
- Full suite of drivers, automatic installation program and SNMP network management agent included

CBE-10/100BTX