CardBus Ethernet 10/100

32-bit

Connect CardBus-equipped portable PCs to 10Mbps and 100Mbps Ethernet networks with the fastest notebook-to-LAN connection available

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The CardBus Ethernet 10/100™, a member of Xircom's growing family of Fast Ethernet solutions for portable PCs, provides the ultimate in high-speed Ethernet connectivity for CardBus-equipped (32-bit) notebooks. This versatile adapter brings desktop PCI-based performance to your CardBus portable PC in both 10Mbps and 100Mbps network environments.

The CardBus Ethernet 10/100 unleashes the full connectivity potential in portable PCs, enabling you to take advantage of the increased bandwidth offered by 100Base-TX networks. The adapter's 32-bit bus-mastering capabilities increase data transfer speeds between your notebook and network by off-loading tasks from the system processor, freeing it up for other functions.

Xircom offers a wide range of Fast Ethernet options to ensure the fastest network connection available, no matter what your configuration. The CardBus Ethernet 10/100 is the ideal performance solution for connecting your CardBus-equipped portable PC to 10Mbps and 100Mbps Ethernet networks.

Info

Xircom

CardBus Ethernet 10/100

Features and Benefits

Unparalleled performance—
CardBus 32-bit bus-mastering architecture speeds data transfers between your portable PC and the network without burdening the PC's processor.

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

Auto-negotiation of 10Mbps or 100Mbps—
Adapter auto-senses the speed of the network to which it is attached, providing seamless operation on either 10Mbps or 100Mbps network segments.

Full-duplex capabilities on 10 and 100Mbps—
Allows data to be sent and received simultaneously, doubling the effective throughput in full-duplex environments.

Installation program included—
Xircom's installation program automatically determines and configures system resources, PC, and NOS accordingly.

SNMP network management agent included—
Allows portable PC to be managed using SNMP-based network management software.

Compatibility guaranteed—
Xircom certified: guaranteed to work in your environment.

Multilingual User's Guide—
Provides easy set-up in the following languages: English, German, French, Italian and Spanish.

Specifications

Model Number:
CBE-10/100BTX/M
CBE-10/100BTX/M-6PK
CBE-10/100BTX/M-20PK
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.

Cable — 100Base-TX unshielded twisted pair (UTP) for use on Category 5 (data grade) UTP cabling; 10Base-T unshielded twisted pair (UTP)

Connector — RJ45

Operating Distance — 100m (328 ft.)

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

Physical Characteristics
Size: 86 x 54 x 5 mm (3.37 x 2.13 x 0.20 inches)
Weight: 24 g (0.85 oz)

Power Requirements:
10Base-T — +3.3VDC, 360mA typical, 400mA max
100Base-TX — +3.3VDC, 285mA typical, 315mA max

Environmental Conditions
Operating Range: 0 to 55 degrees C, 32 to 131 degrees F
Storage Range: -20 to 65 degrees C, -4 to 149 degrees F,
Humidity: 95% max. noncondensing

LEDs
Transmission and Receive Activity (yellow)
Link Integrity (green for 10Base-T)
Link Integrity (orange for 100Base-TX)

Certification
FCC, Class A. CE Mark

Hardware Compatibility
Supports all popular CardBus-equipped PCs including Acer, Fujitsu, Dell, Compaq, DEC, HP, Texas Instruments, IBM, NEC, Packard Bell/Zenith Data Systems and Toshiba

Software Compatibility
Network Operating Systems
Supports all popular network operating systems including Novell NetWare, Microsoft Windows NT, Windows 95, Windows 3.x, Windows for Workgroups, Microsoft LAN Manager, Artisoft LANtastic, Banyan VINES, and DEC PATHWORKS

Warranty
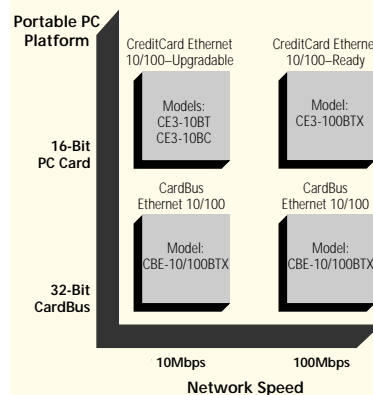Limited lifetime hardware, 2 years software

Support
Xircom introduces an extensive family of service and support programs, including phone support from 9 AM to 6 PM (GMT +1:00), product upgrades, plus 24-hour access to our BBS, World Wide Web, FactsLine, CompuServe Forum and other electronic facilities

What Is CardBus? CardBus is the next generation PC Card technology. It is based on the high-performance, 32-bit bus-mastering PCI architecture popular in desktop computers. CardBus allows full utilization of the high bandwidth of Fast Ethernet networks, dramatically increasing throughput! It also makes the portable PC more efficient by off-loading networking tasks to the adapter. CardBus slots utilize 3.3 volt technology, improving notebook battery life. To use a CardBus adapter, your portable PC must be equipped with one or more CardBus slots.

For more information about CardBus, visit our website at: www.xircom.com

Fast Ethernet Product Guide

	10Mbps	100Mbps
16-Bit PC Card	CreditCard Ethernet 10/100–Upgradable — Models: CE3-10BT, CE3-10BC	CreditCard Ethernet 10/100–Ready — Model: CE3-100BTX
32-Bit CardBus	CardBus Ethernet 10/100 — Model: CBE-10/100BTX	CardBus Ethernet 10/100 — Model: CBE-10/100BTX

Portable PC Platform

Network Speed

Xircom

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Fast Ethernet Product Drivers

Drivers Supplied	CreditCard Ethernet 10/100	CardBus Ethernet 10/100
ODI (DOS 16-bit)	▲	▲
ODI (OS/2 16-bit)[1]	▲	▲
ODI (32-bit Novell client/server)	▲	▲
NDIS2 (DOS 16-bit)	▲	▲
NDIS2 (OS/2 16-bit)[1]	▲	▲
Packet for TCP/IP	▲	▲
WAN Miniport (32-bit for Windows 95)	▲	▲
WAN Miniport (32-bit for Windows NT)	▲	▲

1 OS/2 Drivers do not support OS/2 Card Services
● In development

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.

Following cable can be ordered separately as spare or replacement connector?

CABLE-ETH121   Ethernet Cable, 10BT/100BTX, for use with CBE
Contact Xircom on the following phone numbers to order spare cables:
U.K   0800 962440
Sweden   020 798233
France   0800 905204
Italy   1677 80342
Germany   0130 814076
Other countries   +32/(0)11 300 363

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