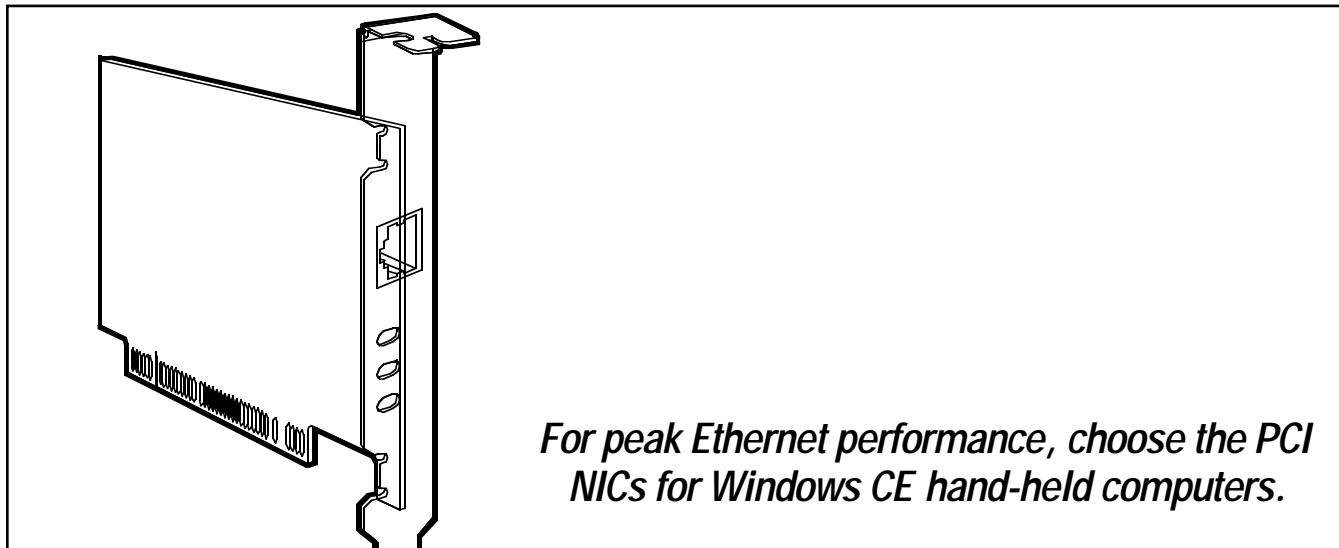




BLACK BOX[®]

NETWORK SERVICES

3COM 10/100 PCI NIC AND 10/100 SERVER PCI NIC



For peak Ethernet performance, choose the PCI NICs for Windows CE hand-held computers.

Key Features

- ▶ ***Fits in the CompactFlash+ slot in Windows CE computers.***
- ▶ ***Delivers 3Com reliability.***
- ▶ ***Low power consumption.***
- ▶ ***Compatible with all Windows CE (version 2.1 or later) computers with a Type II CF+ slot.***
- ▶ ***Optimizes encryption and processor use.***
- ▶ ***Lets the host system focus on servicing applications.***

Connect your hand-held or palm-sized Windows CE computer to an Ethernet network. The 3Com PCI network interface cards and Server PCI NICs are no bigger than a matchbook. The cards fit in the Type II CompactFlash+ (CF+) slot in your computer.

Developed in collaboration with Microsoft[®], the cards are optimized for Windows[®] 2000. They reduce CPU use and maximize system and network throughput.

The cards work by offloading TCP/IP networking tasks from the host system. The integrated 3XP processor handles network traffic processing tasks so the host system can focus on servicing applications.

The 3XP processor and encryption chip work in tandem to accelerate the processing of IPSec encryption algorithms. You no longer have to make a choice between system performance and protection for sensitive data. With the 3CR990 cards, implementing end-to-end LAN security is practical and easy.

The Server 10/100 PCI NICs with 3XP processor take this advanced design even further by adding features to address the specific needs of servers.

Additional SRAM is added to the server NIC to allow up to 1024 IPSec Security Associations (compared to 15 IPSec Security Associations on the desktop version) to be offloaded to the

NIC's 3XP processor and encryption chip. This is essential to the server environment where multiple Security Associations may occur at any given time. For example, a web server sending out encrypted data may be servicing many hundreds of client requests at once, therefore needing the additional SRAM to process the Security Associations.

The cards offer leading 10/100-Mbps Ethernet performance with your existing network, and enable you to migrate to Windows 2000 whenever you're ready to take advantage of its advanced features.

Specifications

Processor: 3XP

Encryption Level: 3CR990-TX-97,
3C990SVR97: 168-bit;
3CR990-TX-95, 3C990SVR95:
56-bit

Data Rate: 10 and 100 Mbps

On-Board Memory: 3CR990-TX-97,
3CR990-TX-95: 128 K;
3C990SVR97, 3C990SVR95: 256 K

Interrupt Levels: INTA

IEEE Support: 802.2 and 802.3

Data Path Width: 32-bit

Safety: FCC Class B, CE,
ANZA C TICK

Data Transfer Mode: Target and
bus-master DMA

Media: 100BASE-TX and 10BASE-T

Bus Widths: 32-bit PCI

System Requirements:
32-bit PCI: PCI 2.1, 2.2

Software Compatibility: Microsoft
Windows® 95, 98, 2000, and
Windows NT® 4.0;
Novell® NetWare® 386.3x Server,
4.x Server, 5 Server;
SCO UnixWare 7

Cables and Operating Distances:
10 Mbps 10BASE-T: Category 3,
4, or 5 UTP up to 100 m (328 ft.);
100 Mbps 100BASE-TX: Category
5 UTP, up to 100 m (328 ft.)

Connectors: TX: RJ-45 with 10/100
full-duplex auto-negotiation

Operating Temperature: 0 to 70°C
(32 to 158°F)

Operating Humidity: 10 to 90%
noncondensing at 40°C (104°F)

Power:

3CR990-TX-97, 3CR990-TX-95:
+5V ±5% operating at
1.26 amps maximum for
normal operation (375 mA for
low-power mode);
3C990SVR97, 3C990SVR95:
+3.3 V ±5% operating at
1.26 amps maximum for
normal operation (375 mA for
low power mode)

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support.

Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.

- You don't have a purchase order number and the tech refuses to help you.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10

to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our

Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Ordering Information

ITEM	CODE
3Com CF+ Compact PC Win CE Card	3C1
3Com 10/100 PCI NIC	
w/3XP 168-bit DES	3CR990-TX-97
w/3XP 168-bit DES, 25-pack	3CR990-TX-97-25
w/3XP 168-bit DES, 100-pack	3CR990-TX-97-100
w/3XP 56-bit DES	3CR990-TX-95
w/3XP 56-bit DES, 25-pack	3CR990-TX-95-25
w/3XP 56-bit DES, 100-pack	3CR990-TX-95-100
3Com 10/100 Server PCI NIC	
w/3XP 168-bit DES	3C990SVR97
w/3XP 168-bit DES, 10-pack	3C990SVR97-10
w/3XP 56-bit DES	3C990SVR95
w/3XP 56-bit DES, 10-pack	3C990SVR95-10

Remember to order cable...

Category 5 Solid-Conductor Cable, 4-Pair,
Straight-Pinned, PVC, 3-m (10-ft.)EYN737MS-0010