



DATA SHEET

10/100 Network Interface Cards

Key Benefits

Outstanding Reliability

Our 3Com® 10/100 NICs deliver world-renowned 3Com reliability backed by a Lifetime Limited warranty.

Top Performance

Advanced bus technology, TCP/IP offloads, and traffic control features accelerate LAN throughput, improve application performance, and lower CPU utilization.

Easy Installation

The installation CD-ROM has tools and software—including the interactive 3Com Connection Assistant—to make installing and configuring your NIC a snap.

Broad Compatibility

Our NICs are extensively tested to work with industry-leading PCs and network operating systems.

Intelligent Management*

3Com management software brings intelligence to these desktop NICs, providing smart solutions to IT problems.

Technology Leadership

Our reputation for innovative technologies comes from designing high-quality NICs, ASICs, controllers, and much more.

Brand Recognition

3Com Fast Ethernet NICs are consistently the first choice of IT managers worldwide. (In-Stat, August 2001)

Manageable, Reliable, High-Performance Network Connectivity for Desktop PCs

3Com 10/100 NICs are ideal for medium and large enterprises making the transition to Windows XP and 2000. They'll help you experience a whole new level of performance from your LAN, thanks to robust hardware, simple installation, and with our managed versions, intelligent management features. Plus, you can count on comprehensive support for existing and emerging network standards.

Choose the managed version for comprehensive remote desktop control and monitoring that lowers IT administration time and costs. Or if all you need is a basic network link, we offer the same proven hardware and advanced performance features without the management support.

Product Features

Robust Performance

TCP/IP checksum offloads reduce CPU workloads and improve application response. Flow control, traffic prioritization, and advanced bus technology improve data throughput and transfer efficiency.

Support for Major Operating Systems

Driver support includes the latest releases of the most popular desktop operating systems—including Windows, NetWare, and Linux—as well as for many legacy systems.

Intelligent Management Software*

3Com desktop management features deliver comprehensive, proactive PC control that lowers IT administration time and raise network performance. They enable our intelligent 10/100 managed NICs to monitor your PCs for environmental problems, boot failures, system tampering, theft, and more.

Industry Standards-Compatible

Our 10/100 NICs are guaranteed compatible with an exhaustive list of industry standards and specifications. Install these desktop NICs as integral components in end-to-end networking solutions for most networking environments—including education, healthcare, small office, home office, and Fortune 1000 enterprises.

Simple Installation and Configuration

Whether you choose the managed or nonmanaged model, these standards-compliant desktop NICs are easy to install and use. Plug-and-play support and Intelligent Auto Install software help ensure easy setup in desktops running Windows or NetWare. We also include **3Com Connection Assistant**, an interactive problem-solving, diagnostic, and repair tool.

Smarter Technical Support

Our new 3Com Connection Assistant gives end users and support staff one easy-to-use tool for management, troubleshooting, and repair. Its automated, Web-based interface provides options for either self or assisted service, helping users get and stay connected.

Managed or Unmanaged?

Depending on your needs, we offer two versions of these NICs. Most users go with the managed version. Why? Remote management and monitoring features—such as remote wake up, automatic system alerts, and centralized control consoles—help IT staff significantly reduce the time and money spent on network administration. Our unmanaged version is for the user who needs a simple network link and doesn't need to worry about management—a smaller worksite with limited network resources, for example.

Buy 3Com For Effortless Connections

3Com is committed to delivering simple network connections that make it easier to access your network's increasingly complex infrastructure. Open standards-based, intelligent 3Com NICs help ensure network availability and high-speed performance, while reducing your total cost of ownership.

Lifetime Limited Warranty

3Com backs 10/100 NICs with a Lifetime Limited warranty. For details, refer to the product manual or visit www.3com.com.

Features and Benefits

Feature	Benefit
Performance	
10/100 Mbps autonegotiation	Automatically senses and configures the network link for the speed of hub or switch ports.
Advanced bus technology	Overlaps processing tasks to increase throughput, lower CPU utilization, and improve application performance.
TCP/IP checksum offloads	Conserve host processing cycles for business-critical applications.
Flow control	Provides for more efficient data transfer and higher network performance in switched networks.
Traffic prioritization	Gives time-sensitive data and business-critical applications top priority.
Efficient multicast control	Controls multicast flooding in switched LANs, improving overall system performance.
ACPI support	Reduces power consumption and allows remote wake up through the PCI bus†.
Management*	
Managed PC Boot Agent	Enables pre-OS installations, upgrades, and recovery—even if the PC won't boot on its own.
Remote wake up	Enables after-hours, remote power-up and administration of desktops.
RMON-1/RMON-2	Delivers low-cost, comprehensive network management, including application response time monitoring and system-level reporting.
ASF-compatible remote system alerts	Enable proactive management and monitoring in PC hosts that support alerts; work seamlessly with Intel LDCM 6.0, HP OpenView NNM 6.0, and Microsoft SMS 2.0.
DMI 2.0s	Enables remote gathering of PC resources and inventory information without costly desktop visits.
Standards Compliance	
IEEE 802.3	Fully backwards-compatible with 802.3 Ethernet and 802.3u Fast Ethernet networks; works with third-party NICs and LOMs.
PCI 99/2001, Windows, NetWare	Works with the hardware and operating systems preferred by most PC users.
Ease of Use	
Installation CD-ROM	Simplifies NIC installation and configuration; includes Intelligent Auto Install, drivers, diagnostics, user's guide, and the interactive 3Com Connection Assistant.
3Com Connection Assistant	Provides self- and assisted-service functions for end users and support technicians; automated Web interface is extremely easy to use.

Specifications

Media

10BASE-T/100BASE-TX

Bus Interface

32-bit, 33 MHz PCI

Buffer Memory

2 KB transmit, 2 KB receive

Interrupt Levels

Interrupt line INTA; conforms with PCI specifications

Cables and Operating Distances

10BASE-T

Category 3, 4, or 5 UTP up to 100 m (328 ft)

100BASE-T

Category 5 UTP up to 100 m (328 ft)

System Requirements

Hardware

PCI 2.1-/2.2-compliant clients, desktops

Software

- Linux 2.4
- Linux 2.2
- Microsoft Windows XP
- Microsoft Windows 2000
- Microsoft Windows Me
- Microsoft Windows NT 4.0
- Microsoft Windows 98
- Novell NetWare 5.x

Management

Any SNMP management platform, including 3Com Network Supervisor, 3Com Managed PC Boot Agent, and 3Com Boot Services.

Standards Compliance

PCI 2.1/2.2, PC99/2001, 802.3, 802.3u, 802.1p/Q, 802.3x, PXE, DMI 2.0s, ACPI, WfM, WOL

Safety and Electromagnetic Compatibility

FCC Part 15, Class B, CE, UL, C-tick, EN55022 Class B (CISPR B), En55024 (CISPR 24), VCCI Class 2

Operating Ranges

Temperature

0 to 70°C (32 to 158°F)

Humidity

10 to 90% noncondensing

Power Requirements

+3.3 V +/- 5% @ 375 mA max.

RWU over bus enabled: +3.3 V aux.†

Sleep state, RWU disabled: +3.3 V @ 20 mA max.

Ordering Information

3Com 10/100 Managed NIC

Single NIC	3C905CX-TX-M
Twenty-five pack	3C905CX-TX-M-25

3Com 10/100 NIC

Single NIC	3C905CX-TX-NM*
Twenty-five pack	3C905CX-TX-NM-25PK*

Make sure your desktops, notebooks, clients, and servers include superior 3Com connectivity. Look for the 3Com Connected™ label, ask your PC manufacturer to use 3Com components, or visit www.3com.com to find a preferred 3Com OEM Partner.

* Desktop management and monitoring supported by 3C905CX-TX-M NICs only; 3C905CX-TX-NM NICs do not support most of these features.

† PCI 2.2-compliant systems only.

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To learn more about 3Com solutions, visit www.3com.com. 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

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