

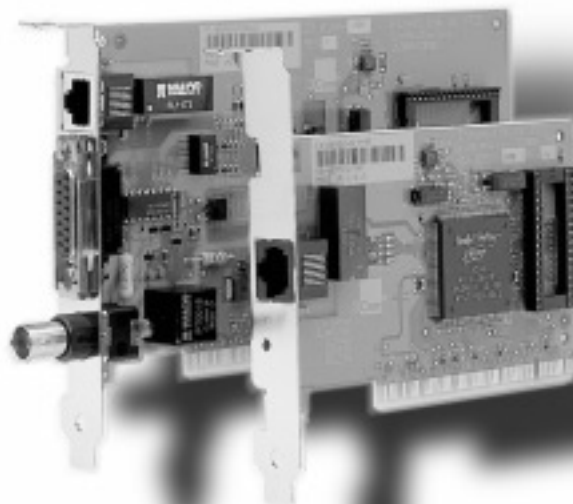
3Com® EtherLink®



10 Mbps Desktop Network Interface Cards

The world's best-selling Ethernet NICs, provide unmatched reliability, compatibility, and 10 Mbps performance

The EtherLink 10/100 Mbps family of desktop network interface cards (NICs) delivers fast, reliable performance, easy installation and configuration, and more.



Key Benefits

Total reliability. All EtherLink® NICs deliver unmatched 3Com® reliability backed by a lifetime limited warranty.*

Broad compatibility. EtherLink NICs support all major bus types along with the industry's widest range of desktop and network operating systems.

The fastest performance. Patented 3Com Parallel Tasking® and Parallel Tasking II technologies send and receive data simultaneously to maximize throughput and minimize CPU utilization.

Intelligent software. DynamicAccess® technology brings intelligence to ISA and PCI NICs to provide smart solutions to IS problems, including Managed PC capabilities.

Easy installation and configuration. EtherLink ISA NICs feature Installation Wizard and EtherLink PCI NICs include EtherCD™ CD-ROM—both simplify installation and configuration.

*See User Guide for details.

3Com leads the market in both 10 and 10/100 Mbps Ethernet NICs. 3Com® EtherLink® 10 Mbps NICs' reliability, compatibility, and performance is unmatched by any other available NIC. And they include tools for easy installation and configuration, as well as software for improved PC and network management.

3Com NICs offer state-of-the-art manufacturing with high-component integration to provide exceptional reliability. They're backed by 3Com's lifetime limited warranty. And they're compatible with a wide range of desktop and network operating systems.

3Com NICs also feature Parallel Tasking® technology to bring the fastest transfer speeds to your PC systems with an ISA, PCI, MCA, or EISA bus. Parallel Tasking technology simultaneously performs multiple processing tasks. And Parallel Tasking II technology boosts the performance of PCI connections, optimizing the design features inherent to the PCI bus.

DynamicAccess® technology adds intelligence to EtherLink PCI NICs to provide smart solutions to Information Systems (IS) problems. It's centrally installed and controlled to give IS department's visibility of application performance across the entire network and empower them to optimize the network for business-critical applications. And on 3Com PCI Fiber NICs, DynamicAccess technology offers Managed PC features including Remote Wake Up.

EtherLink ISA NICs include Installation Wizard for simple installation and configuration. And for EtherLink PCI NICs, EtherCD™ CD-ROM delivers an easy-to-use graphic user interface, point-and-click driver installation, enhanced diagnostics, user guide, and diagnostic, driver, and diskette creation utilities.

Network Interface Cards

Reliable, compatible, high-performance 10 Mbps Ethernet NICs

3Com EtherLink 10 Mbps Desktop NICs Features and Benefits

<i>Feature</i>	<i>Benefit</i>
Compatibility and Reliability	
IEEE 802.3 compliance	Provides full compliance with global Ethernet standards.
Guaranteed compatibility	Guaranteed compatible with respective PCI, ISA, EISA, and MCA bus-compliant systems or your money back. Also compatible with leading network operating systems and applications in a wide range of LAN environments.
Lifetime limited warranty*	Backed by 3Com's industry-leading lifetime warranty.
Highly integrated design	Combines the Ethernet controller, twisted-pair receiver, encoder/decoder, bus interface, and packet buffer memory on a single ASIC chip to deliver reliable, trouble-free operation and lower cost.
Performance	
Parallel Tasking® technology	Pipelines data for highest throughput at 10 Mbps.
Parallel Tasking II technology (ISA and PCI models only)	Lowers CPU utilization and increases application performance due to more efficient data transfer across the PCI bus.
32-bit bus mastering DMA (ISA and PCI and EISA models only)	Offers a wide data path and fast transfers with low CPU utilization to provide optimum system performance.
Flow Control 802.3x	Delivers higher performance due to more efficient data transfers. Optimizes data transfers by reducing lost packets and retransmissions when the NIC communicates with the switch
TCP/IP Checksum	Offloads the CPU by performing checksum on ASIC to significantly reduce CPU utilization (OS dependent—functional with Windows NT 5.0).
Intelligent Software	
Traffic prioritization (ISA and PCI models only)	Uses the IEEE 802.1p standard to prioritize time-sensitive data and improve the performance of multimedia and business-critical applications.
Performance monitoring (ISA and PCI models only)	Enables comprehensive, low-cost network management in switched and high-speed networks using RMON-1/RMON-2 for application response time and system-level monitoring.
Efficient Multicast Control (ISA and PCI models only)	Uses the IEEE 802.1p GMRP standard to improve network performance by controlling multicast flooding in switched LANs
Remote Wake Up (RWU) [3C900B-FL(ST) only]	Lowers your cost of ownership with remote and after-hours maintenance of PCs with a 3-pin RWU connector and a desktop management application that generates a Magic Packet™ RWU signal.
ACPI compliance [3C900B-FL(ST) only]	Reduces power consumption and enables Remote Wake Up.
Desktop Management Interface (DMI) [3C900B-FL(ST) only]	Lets you remotely gain PC resource and inventory information without costly desktop visits.
Optional Managed PC Boot Agent	Enables Pre-OS installations, upgrades, and recovery. Also enables remote visits—even when the PC can't boot—to lower the cost of ownership.
Meets Wired for Management (WfM) specifications	Supports WfM industry standards for remote management.
Easy Installation and Configuration	
EtherCD™ CD-ROM (PCI model only)	Includes an easy-to-use graphic user interface, point-and-click driver installation, driver utilities, enhanced post installation diagnostics, electronic user guide, and diagnostic and diskette creation utilities for easy installation and configuration.
Installation Wizard (ISA models only)	Enables simpler troubleshooting and administration with Windows-based configuration and diagnostics utility.
Plug-and-Play for Windows 95 and 98	Provides quick and easy installation in popular operating systems.
Auto-installation software	In NetWare, a single menu choice configures the NIC and installs drivers on non-plug-and-play PCs.

*See *User Guide* for details.

Specifications

3Com EtherLink 10 Mbps Desktop Network Interface Cards

Product	EtherLink 10 Mbps PCI 3C900B	EtherLink 10 Mbps PCI Fiber 3C900B-FL(ST)	EtherLink 10 Mbps ISA 3C509B	EtherLink III EISA 3C592	EtherLink III MCA 3C529
Bus Type	PCI	PCI	ISA	EISA	MCA
Cable Type and Connectors					
TPO: 10BASE-T (RJ-45 only)	●		●		●
TPC: 10BASE-T, twin RJ-45, BNC (coax)			●		
TP: 10BASE-T, thick coax (AUI)			●	●	
Combo: 10BASE-T, coax (AUI, RJ-45, BNC)	●		●		●
Fiber: 10BASE-FL (ST only)		●			
Software Compatibility <i>EtherCD™ or EtherDisk™ software (ships with NIC)</i>					
Novell NetWare Client	●	●	●	●	●
DOS ODI	●	●	●	●	●
OS/2 ODI	●	●	●	●	●
ODI32	●	●	●	●	●
Novell NetWare 3.x and 4.x Server Drivers	●	●	●	●	●
Packet Driver	●	●	●	●	●
NDIS 2.01	●	●	●	●	●
NDIS 3	●	●	●	●	●
NDIS 4	●	●	●	●	●
DOS Windows 3.x	●	●	●	●	●
Windows for Workgroups	●	●	●	●	●
Windows 95	●	●	●	●	●
Windows 98	●	●	●	●	●
Windows NT 3.5x and 4.0	●	●	●	●	●
Other Software					
Banyan VINES Server	●	●	●	●	
SCO UnixWare 7	●	●	●	●	
SCO OPEN SERVER 5	●	●	●	●	●
LINUX	●	●	●	●	●
BSDI UNIX	●	●	●	●	●
SunSoft Solaris	●	●	●	●	●
Windows NT 4 for DEC Alpha	●	●			
Hardware	PCI bus computers	PCI bus computers	IBM PC XT, PC AT, and PS/2 models and compatibles with ISA buses and EISA computers	IBM 16- or 32-bit Micro Channel architecture PS/2 models and compatibles	EISA bus computers
Remote Wake Up		3-pin connector for auxiliary power (PC must have 3-pin Remote Wake Up connector on motherboard).			
Network Interface	Ethernet IEEE 802.3 10 Mbps baseband CSMA/CD standard, coaxial, 10BASE-T, or 10BASE-FL.				
LED	Each NIC has one LED that glows to indicate link integrity with a 10BASE-T hub or power for a coaxial link; the LED flashes if the polarity of the wire is reversed. 10BASE-FL has an additional LED indicating activity.				
Interrupt Levels	Interrupt line INTA, which conforms with the PCI specification	Interrupt line INTA, which conforms with the PCI specification	3, 5, 7, 9, 10, 11, 12, 15	3, 5, 7, 9, 10, 11, 12, 15	3, 5, 7, 9, 10, 11, 12, 15
I/O Base Address	Selects any 32-bit I/O base address. Card 32 bytes of I/O space	32 possible addresses, 200 to 3F0h	32 possible addresses, 200 to 3F0h	64 possible addresses, 200 to FE00	Slot-specific addressing: 16 possible addresses, 0ZC80 Z=slot number in hex
ROM Socket Address	Support PCI 32-bit TriROM addresses occupy 64 KB of memory space	Support PCI 32-bit TriROM addresses occupy 64 KB of memory space	8, 16, and 32 KB windows supported from C0000 to DE000	8, 16, and 32 KB windows supported from C0000 to DE000	Support 8-, 16-, and 32-bit TriROM address
Managed PC Boot Agent	Available separately. See ordering information.				
Physical Dimensions	TPO Length: 3.0 in/7.62 cm Width: 4.8 in/12.20 cm Combo Length: 4.0 in/10.16 cm Width: 7.0 in/17.79 cm	FL(ST) Length: 4.75 in/12.1 cm Width: 4.25 in/10.8 cm	TPO Length: 6.14 in/15.6 cm Width: 2.5 in/6.4 cm TPC Length: 6.14 in/15.6 cm Width: 3.05 in/7.8 cm TP, Combo Length: 6.14 in/15.6 cm Width: 3.95 in/10.0 cm	Length: 3.5 in/8.9 cm Width: 7.3 in/18.6 cm	Length: 4.1 in/10.4 cm Width: 7.3 in/18.6 cm
Power Requirements	+5V ± 5% at 250 mA max.	+5v ± 5% at 600 mA max.	+5V ± 5% at 150 mA max.	+5V ± 5% at 0.5A max.	+5V ± 5% at 1.5A max.
Operating Voltage	+12V ± 5% at 500 mA max.		+12V ± 5% at 500 mA max.	+12V ± 5% at 0.5A max.	+12V ± 5% at 0.5A max.
Operating Ranges	Temperature: 32° to 158°F (0° to 70°C), Humidity: 10% to 90% (noncondensing), Altitude: to 9,800 ft/3,000 m.				
Safety and Electromagnetic Compatibility	FCC Part 15 Subpart J Class B; EN55022 Class B (CISPR); VCCI Class 2	FCC Part 15 Subpart J Class B; EN55022 Class B (CISPR); VCCI Class 2	FCC Part 15 Subpart J Class B; EN55022 (CISPR B); VCCI Class 2	FCC Part 15 Class B, EN55022-A (CISPR A); VDE 0871 Class B when used with shielded twisted-pair wiring; UL1950, 1st edition	FCC Part 15 Subpart J Class B; VDE 0871 Class B; EN55022 (CISPR B); VCCI Class 2
Additional standards	Register and architectural compatibility with a 16550 UART that adheres to the I/O and interrupt conventions established under the AT (IBM PC) definitions for COM 1/COM 4 Hayes AT command set Novell NetWare client (ODI) certification tests Microsoft compatibility (NDIS) certification test suite.				

3Com Corporation

P.O. Box 58145
5400 Bayfront Plaza
Santa Clara, CA 95052-8145
Phone: 1 800 NET 3Com or 1 408 326 5000
Fax: 1 408 326 5001
World Wide Web: www.3com.com

3Com Americas International

U.S. Headquarters (Serving Canada and Latin America): 1 408 326 2093/1 408 326 6075
Miami: 1 305 461 8400

3Com Canada

Burlington: 905 336 8168
Calgary: 403 265 3266
Edmonton: 780 423 3266
Montreal: 514 683 3266
Ottawa: 613 566 7055
Toronto: 416 498 3266
Vancouver: 604 434 3266

3Com Latin America

Argentina (Serving Argentina, Paraguay, and Uruguay): 54 11 4312 3266
Brazil: 55 11 5641 5001
Chile (Serving Bolivia, Chile, and Peru): 562 240 6200
Colombia: 57 1 629 4110
Mexico: 525 201 0000
Peru: 51 1 221 5399
Venezuela: 582 267 5550

Asia Pacific Rim

Melbourne, Australia: 61 3 9934 8888
Sydney, Australia: 61 2 9937 5000
Beijing, China: 8610 6588 0568
Shanghai, China: 86 21 6350 1581
Hong Kong: 852 2501 1111
India: 91 11 644 6123
Indonesia: 62 21 572 2088
Osaka, Japan: 81 6 6536 3303
Tokyo, Japan: 81 3 5977 3266
Toll free from Japan: 0120 31 3266
Korea: 82 2 3455 6300
Malaysia: 60 3 715 1333
New Zealand: 64 9 366 9138
Philippines: 632 892 4476
Singapore: 65 538 9368
Taiwan: 886 2 2 377 5850
Thailand: 662 231 8151 5

3Com Austria

43 1 580 17 0

3Com Benelux B.V.

Belgium: 32 2 711 94 00
Netherlands: 31 346 58 62 11

3Com Eastern Europe/CIS

Bulgaria: 359 2 962 5222
Czech Republic: 420 2 21845 800
Hungary: 36 1 250 83 41
Poland: 48 22 6451351
Russia: 7 095 258 09 40
Slovak Republic: 421 7 317 850

3Com France

33 1 69 86 68 00

3Com GmbH

Munich, Germany: 49 89 627320

3Com Iberia

Portugal: 351 1 3404505
Spain: 34 91 509 69 00

3Com Italia S.p.A.

Milan, Italy: 39 2 253011
Rome, Italy: 39 6 5279941

3Com Middle East

971 4 319533

3Com Nordic AB

Denmark: 45 48 10 50 00
Finland: 358 9 435 420 67
Norway: 47 22 58 47 00
Sweden: 46 8 587 05 600

3Com Southern Africa

27 11 807 4397

3Com Switzerland

41 844 833 933

3Com UK Ltd.

Edinburgh: 44 131 240 2900
Ireland: 353 1 823 5000
Manchester: 44 161 874 1700
Winnersh: 44 1189 27 8200

Lifetime Limited Warranty

3Com warrants EtherLink 10 Mbps network interface cards to be in good working order for as long as you own them.

Customer Support

Quick access to support information is available through the 3ComBBS (bulletin board system) and 3ComFactsSM interactive fax service.

Reach the 3ComFacts service in Canada and the U.S. by dialing 1 408 727 7021 with your touch-tone telephone and following the recorded instructions.

To reach the 3ComBBS service in the U.S., set your modem to 8 data bits, no parity, and 1 stop bit (8,N,1), then transmit with a 53,333 baud rate and U.S. telephone number 1 847 262 6000.

To reach the 3ComBBS service from outside the U.S., ask your local 3Com office or reseller for the appropriate baud rate and telephone number.

Cables and Operating Distances

	<i>EtherLink 10 Mbps PCI 3C900B</i>	<i>EtherLink 10 Mbps PCI Fiber 3C900B-FL(ST)</i>	<i>EtherLink 10 Mbps PCI Combo 3C900B-COMBO</i>	<i>EtherLink 10 Mbps ISA and EISA 3C509B and 3C592</i>	<i>EtherLink 10 Mbps MCA 3C529</i>
10BASE-T	Category 3, 4, or 5 UTP on two pairs up to 328 ft/100 m		Category 3, 4, or 5 UTP on two pairs up to 328 ft/100 m	Category 3, 4, or 5 UTP on two pairs up to 328 ft/100 m	Category 3, 4, or 5 UTP on two pairs up to 328 ft/100 m
10BASE-FX		1300 nm multimode fiber up to 2000 m/6500 ft full duplex 412 m/1250 ft half duplex			
10BASE2			608 ft/185 m with thin Ethernet coaxial cable		
10BASE5			AUI connector for attaching a transceiver drop cable supports network segments 1640 ft/500 m		

Ordering Information

EtherLink 10 Mbps PCI TPO NIC

10BASE-T, RJ-45 3C900B-TPO
25-pack 3C900B-TPO-25PK
100-pack 3C900B-TPO-100PK

EtherLink 10 Mbps PCI Combo NIC

10BASE-T, coax, AUI, BNC 3C900B-COMBO
5-pack 3C900B-COMBO-5PK
25-pack 3C900B-COMBO-25PK
100-pack 3C900B-COMBO-100PK

EtherLink 10 Mbps PCI Fiber NIC

10BASE-F, ST 3C900B-FL(ST)
5-pack 3C900B-FL(ST)-5PK
25-pack 3C900B-FL(ST)-25PK

EtherLink 10 Mbps ISA TPO NIC

10BASE-T, RJ-45 3C509B-TPO
5-pack 3C509B-TPO-5PK
25-pack 3C509B-TPO-25PK
100-pack 3C509B-TPO-100PK

EtherLink 10 Mbps ISA TP NIC

10BASE-T, coax, RJ-45, AUI 3C509B-TP
5-pack 3C509B-TP-5PK
25-pack 3C509B-TP-25PK
100-pack 3C509B-TP-100PK

EtherLink 10 Mbps ISA TPC NIC

10BASE-T, coax, RJ-45, BNC 3C509B-TPC
5-pack 3C509B-TPC-5PK
25-pack 3C509B-TPC-25PK
100-pack 3C509B-TPC-100PK

EtherLink 10 Mbps ISA Combo NIC

10BASE-T, coax, AUI, BNC 3C509B-COMBO
5-pack 3C509B-COMBO-5PK
25-pack 3C509B-COMBO-25PK
100-pack 3C509B-COMBO-100PK

EtherLink 10 Mbps EISA TPO NIC

10BASE-T, RJ-45 only 3C592-TPO

EtherLink 10 Mbps EISA Combo NIC

10BASE-T, coax, RJ-45, AUI, BNC 3C592-COMBO

EtherLink 10 Mbps MCA TP NIC

10BASE-T, coax, RJ-45, AUI, BNC 3C529-TP

Boot ROMs

Managed PC Boot Agent for PXE, BOOTP, RPL, NCP/IPX, DHCP

PCI 3C90X-MBA

TriROM for BOOTP, RPL, NCP/IPX

ISA 3C5-TRIROM
ISA 20-pack 3C5-TRIROM-20PK
PCI 3C590-TRIROM
PCI 20-pack 3C590-TRIROM-20PK
EISA 3C592-TRIROM



DynamicAccess[®]
technology



Y E A R
2000
COMPLIANT

Visit: <http://www.3com.com/products/Yr2000.html>

To learn more about 3Com products and services, visit our World Wide Web site at www.3com.com/. 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

Copyright ©1999 3Com Corporation. All rights reserved. 3Com, the 3Com logo, DynamicAccess, EtherLink, Parallel Tasking, SmartAgent, and Transcend are registered trademarks of 3Com Corporation. EtherCD, EtherDisk, and More connected, are trademarks of 3Com Corporation. Banyan is a registered trademark of Banyan Systems. OS/2 is a registered trademark of IBM. Windows and Windows NT are registered trademarks of Microsoft Corporation. Magic Packet is a trademark of AMD Corporation. NetWare is a trademark of Novell, Inc. UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company All other company and product names may be trademarks of their respective companies. All specifications are subject to change without notice.



Printed in U.S.A. on recycled paper

400230-014 6/99