

Overview

Models

Current Models	PCI to Dual-port 10/100 (Twisted-Pair Copper with RJ45 connectors) Ethernet NIC and Base Module	3X-DE602-BB
	Dual-port 10/100 (Twisted-Pair Copper with RJ45 connectors) Ethernet add-on daughter card for use on 3X-DE602-BB ONLY	3X-DE602-TA
	Single-port Fiber 100Mbps (MMF with duplex-SC connector) Ethernet add-on daughter card for use on 3X-DE602-BB and -AA	3X-DE602-FA
Related Ethernet Options	PCI/PCI-X to Single-port 1000BASE-SX Gigabit Ethernet NIC w/duplex-SC connector	3X-DEGXA-S*
	PCI/PCI-X to Single-port 10/100/1000BASE-T Ethernet NIC w/RJ45 connector	3X-DEGXA-T*
	PCI to Single-port 1000BASE-SX Gigabit Ethernet Server NIC w/duplex-SC connector	DEGPA-SA
	PCI to Single-port 10/100/1000BASE-T Ethernet Server NIC w/RJ45 connector	DEGPA-TA
EOL / No Longer Available 10/100BASE-T Ethernet Options:	PCI to Dual-port 10/100 (Twisted-Pair Copper with RJ45 connectors) Ethernet NIC and Base Module (Use 3X-DE602-BB instead)	3X-DE602-AA
	PCI to Quad-port 10/100 (Twisted-Pair Copper with RJ45 connectors) Ethernet NIC (Use 3X-DE602-BB and 3X-DE602-TA instead)	DE504-BA
	PCI to Single-port 10/100 (Twisted-Pair Copper with RJ45 connector) Ethernet NIC (Use 3X-DE602-BB instead)	3X-DE600-AA

Introduction

The 3X-DE602-XX, based on the Intel 8255X chip set, provides a family of customer configurable, bridged, multi-port, Fast Ethernet solutions for HP Alpha-based host CPU platforms, with Tru64 UNIX and OpenVMS driver support. The 3X-DE602-BB is a PCI (32-/64-bit, 33-66MHz) dual-port 10/100 UTP (RJ45) Ethernet NIC and base module. This NIC provides optional add-on daughter-card expansion capability that includes:

- A single-port MMF (SC) daughter card (3X-DE602-FA) for a total of three Ethernet ports (2 x 10/100 UTP and 1 x 100 Mbps MMF) in a single PCI slot, or
- The addition of a dual-port 10/100 UTP (RJ45) daughter card (3X-DE602-TA) for a total of four Ethernet ports (4 x 10/100 UTP) in a single PCI slot.

NOTE: The 3X-DE602-FA and 3X-DE602-TA CANNOT be used stand-alone.

Ease of Use

PCI Plug and Play

The 3X-DE602-BB is compliant with the 2.2 PCI specification; this NIC automatically configures its I/O address and interrupts (IRQ) settings for easy installation.

**Ethernet Auto-
negotiation/
configuration**

The 3X-DE602-BB and -TA sense for 10 or 100 Mbps, and half- or full-duplex, and automatically configures to the highest common network connection speed between the NIC and another NIC, or hub, or switch port. (The 3X-DE602-FA is 100 Mbps only.)

Diagnostic LED Indicators For each port, LED Indicators show link integrity, network speed, and network activity at a glance for easy troubleshooting.

Performance

64-bit PCI Bus

Efficient data transfer between the network the host CPU is essential for high-performance and low CPU utilization. The 3X-DE602-BB provides a 32-bit/64-bit PCI Universal Connector to work in either 32- or 64-bit PCI bus slots.

Bus-mastering

The 3X-DE602-BB uses bus-mastering technology to maximize throughput and optimize host system utilization.

Security/Reliability

Network Fault Tolerance (NFT) Fail-over to a second Fast Ethernet or other LAN technology port is provided by both Tru64 UNIX and OpenVMS. Under Tru64 UNIX, NETrain or "link-trunking" can be used to manage the failover. Under OpenVMS, fail-over support is provided by both OpenVMS Clusters and DECnet-Plus. Refer to the respective SPDs for further information.

Manually Configured Link-Trunking Tru64 UNIX V5.1a IPK includes support for manually configured 10/100 Ethernet Trunk-Groups. The links in a given trunk group must all be the same speed, and must connect point-to-point between the same two systems {(Tru64 AlphaServer-to-(802.3ad compliant switch), or (Tru64 AlphaServer)-to-(Tru64 AlphaServer)}.

Warranty Maximum - The remaining warranty of the HP AlphaServer in which it is installed.
Minimum - 1-year Return-to-Factory with Advance Exchange
NOTE: Certain restrictions and exclusions apply. Contact 1-800-OK-COMPAQ for details.

Host Platform Support and Configuration Rules

Refer to the Supported Options List (SOL) for your specific AlphaServers or AlphaStations at: <http://h18002.www1.hp.com/alphaserver/> to determine support status (hardware configuration rules, minimum supported revisions for operating systems, console firmware, and other related layered products).

Driver Support and Where to Find It

Driver Support is provided as part of the host AlphaServer or AlphaStation Operating System Distribution - Tru64 UNIX and OpenVMS. As stated above, refer to the respective host Alpha system Supported Options List to determine support and any required patch kits.

Ordering Information

NOTE: Before ordering, refer to the Supported Options List (SOL) for specific AlphaServers or AlphaStations at: <http://h18002.www1.hp.com/alphaserver/> to determine support status (hardware configuration rules, minimum supported revisions for operating systems, console firmware, and other related layered products).

Multi-port 10/100 Ethernet

Part Number	Description
3X-DE602-BB	PCI to Dual-port 10/100 (Twisted-pair Copper with RJ45s) Ethernet NIC and Base Module Use for all new single and dual-port 10/100 Ethernet applications.
3X-DE602-TA	Dual-port 10/100 (Twisted-pair Copper with RJ45s) Ethernet add-on daughter card for use with 3X-DE602-BB ONLY This option cannot be used standalone -- it requires the 3X-DE602-BB as a pre-requisite. The 3X-DE602-BB and 3X-DE602-TA combination should be used for all new quad-port applications in place of DE504-BA.
3X-DE602-FA	Single-port 100Mbps (MMF with duplex SC) Ethernet add-on daughter card for use with 3X-DE602-BB or -AA This option cannot be used standalone -- it requires either the 3X-DE602-BB or -AA as a pre-requisite.

Technical Specifications

General Specifications 3X-DE602-BB	Dual-port 10/100Base-TX NIC and base module	
	Both ports IEEE 802.3/802.3u 10Base-T and 100Base-TX compatible	
	32-bit/64-bit, 33-66-MHz PCI bus-master interface	
	Single RJ-45 connector for each port	
	Cable support - Cat. 3, 4, 5 UTP for 10 Mbps and Cat. 5 UTP or better for 100 Mbps	
	Support for IEEE 802.3u Auto-Negotiation	
	Full- or half-duplex capable at 10 or 100 Mbps on both ports	
	PCI hot-plug support	
	Power and Environmental Specifications	
	Operating temperature	32° to 131°F (0° to 55°C)
Operating humidity	10% to 90% relative humidity	
Non-operating temperature	-85° to 185°F (-65° to 85°C)	
Non-operating humidity	5% to 95% relative humidity	
Power requirement	500 mA @ 5V maximum	
Emissions Standard	FCC Class B on Alpha host CPUs	
Safety compliance	CE Mark	
Dimensions (L x W)	7.4 x 5 in (18.8 x 12.7 cm)	

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