

Overview

Model

HP X520 10GbE Dual Port Adapter

C3N52AA

Introduction

The HP X520 10GbE Dual Port Adapter is based on Intel's third generation 10GbE controller, Intel(R) 82599.

The HP X520 10GbE Dual Port Adapter is ideal for high performance workstation computing, workstation virtualization, security, consolidation, and other applications requiring the highest throughput. The total aggregate, full-duplex throughput of 40Gb/s meets the needs for customers desiring flexible and scalable I/O solutions to meet the rigorous requirements of mission-critical applications in virtualized environments.

Performance and Features

- Industry-leading throughput and latency performance
 - Up to 40Gb/s bi-directional near line rate throughput
 - Hardware acceleration TCP/IP/UDP stateless intelligent offloads
 - No firmware updates required --> less management and downtime
 - Low profile design ships with standard height bracket only for use in desktop workstations
 - Support for Preboot eXecution Environment (PXE), Jumbo Frames, Checksum & Segmentation Offload, IPv6 and RSS
 - Integrated PHY and MAC
 - IEEE 1588 (Time Synchronization)
 - Supports MSI and MSI-X (Message Signaled Interrupt (Extended))
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Compatibility

HP X520 Adapters with SFP+ connections support 10GBASE-SR, 10GBASE-LR, and SFP+ Copper Direct Attach physical media.

Service and Support

Max warranty of the HP Workstation in which it is installed, up to 3-years. Minimum one year warranty.

PCI Express Interface

NOTE: Fiber transceivers and cables must be purchased separately for fiber-optic environments.

HP 10GbE SFP+ SR Transceiver: Product C3N53AA

Load Balancing

The HP X520 Adapter is designed with an eight lane (x8) PCI Express bus, PCIe 2.0 (5GT/s). It is backward compatible with four lane(x4) PCI Express, automatically auto-sensing between x8 and x4 slots.

Technical Specifications

Hardware Certifications FCC B, UL, CE, VCCI, BSMI, CTICK, KCC

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