# AOC-EXPX9502FXSR

SUPERMICRO®

The **AOC-EXPX9502FXSR** is a 2-port 10 Gigabit Ethernet card with dual XFP optical output connectors designed to meet the throughput and latency requirements of bandwidth-hungry applications, while offering a very low power envelope for energy efficiency. This is the ideal choice for multi-core processors and optimized for virtualization and at the same time it satisfies the need for storage over Ethernet by supporting iSCSI acceleration and providing advanced features for unified storage connectivity.

Key Features
- **PCI Express 2.0 (2.5GT/s)**
- **Low-profile**
- **Intel® I/O Acceleration Technology (I/OAT)**
- **Load Balancing on Multiple CPUs**
- **VMDq for Virtualized Environment**
- **Low-latency interrupts**
- **10GBASE-SR on multi-mode fiber**
- **Support up to 300m fiber cable**
- **iSCSI Remote Boot**
- **Intel® PROSet Utility for Windows Device Manager**
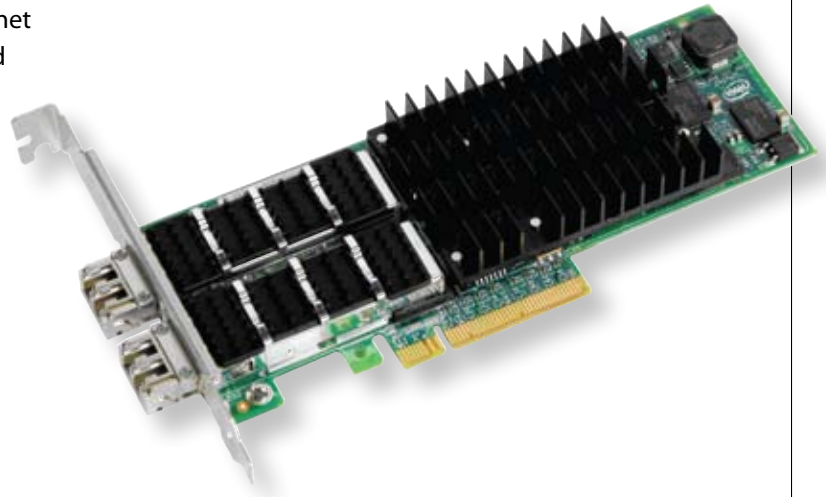
Specifications

- Intel® 82598EB dual-port 10 Gigabit Ethernet controller
- Two XFP connectors
- PCI-E x8
- Low-profile standard form factor
- Intel® I/OAT to improve CPU utilization
- MSI-X support to minimize the overhead of interrupts and allow load balancing of interrupt handling between different CPUs/cores
- Low-latency interrupts
- Optimized queues: 32 Transmit (Tx) and 64 Receive (Rx) per port
- VMDq for virtualized environments
- Advanced packet filtering (per port)
- Direct Cache Access (DCA)
- PXE 2.0 enabled through boot read-only memory (ROM)
- iSCSI boot
- Supported fiber cable length up to 300 meters
- Supported OS: Windows, Linux, VMWare
- Typical power consumption: 14W (1.17A @ 12V)
- Storage temperature: -40ºC to 70ºC (-40ºF to 158ºF)
- Storage humidity: 90% non-condensing relative humidity at 35ºC
- Physical dimensions: 16.74cm (6.59in) x 6.89cm (2.71in) (LxW)
- Height of end brackets: standard – 12cm (4.725in), low-profile – 7.92cm (3.12in)

Compliance/ Environmental

- RoHS Compliant 6/6, Pb Free

SUPERMICRO®
RoHS
compliant

Supported Platforms

- Support motherboards with minimum PCI-E x8 slot
- Support Servers with low-profile or full-height PCI-E expansion slot

For the most current product information, visit:

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