

AOC-UG-i4 is a high-performance 4-port Supermicro Universal I/O (UIO) Gigabit Ethernet LAN card based on the Intel® 82571EB Gigabit Ethernet Controller. It interfaces with Supermicro UIO motherboards through a PCI Express UIO slot to maximize I/O bandwidth. The dedicated input/output connections of the PCI-E ensure priority performance on each port without bus-sharing. The **AOC-UG-i4** improves performance especially in multi-processor systems by balancing network loads across multiple CPU and processing cores.

Key Features

- **UIO Full-height Form Factor**
- **Dual Intel® 82571EB Dual-port Ethernet Controllers**
- **PCI-E x8 Connector**
- **Four RJ45 Jacks**
- **Intel® I/O Acceleration Technology (I/OAT)**
- **Jumbo Frame Support for up to 9KB Packets**
- **VMDq for Virtualized Environments**
- **Wake-on-LAN (WOL) Support (Port A only)**
- **Intel® PROSet Utility for Windows® Device Manager**



Specifications

- Full-height half-length PCI-E x8 UIO card that is optimized for Supermicro UIO motherboards and servers
- Four Gigabit Ethernet ports that maximize connectivity in small spaces through RJ45 connectors
- Dual Gigabit Ethernet LAN chips that ensure priority performance on each port without bus sharing
- Dual Intel® 82571EB dual-port Ethernet LAN controllers
- PCI-E x8 interface through PLX Technology PEX 8518
- Intel® I/OAT accelerates I/O with higher throughput and lower CPU utilization
- VMDq provides the platform with port density required for virtualized environments
- Caches up to 64 packet descriptors (per queue)
- Integrated PHY for 10/100/1000 Mbps operation
- IEEE 802.3ab Auto-Negotiation support
- IPv6 Offloading
- Support Pre-boot Execution Environment (PXE) on Supermicro UIO motherboards and servers
- Wake-On-LAN (WOL) support (Port A only)
- RoHS 6/6 environmental standard compliant
- Intel® PROSet Utility for Windows® supports network teaming
- OSs supported: Windows 2000/XP/2003, RedHat and SuSE Linux, Netware, FreeBSD
- Operating temperature: 0°C to 55°C

Compliance/ Environmental

- RoHS Compliant 6/6, Pb Free



Supported Platforms

- Supported Motherboards: All Supermicro UIO Motherboards
- Supported Servers: All Supermicro UIO Servers

For the most current product information, visit:

www.supermicro.com