



Add-on Card AOC-SG-I2

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Specifications

10GbE Server Adapter

High-performance, Cost-effective Dual-port Gigabit Ethernet Card

Supermicro Standard Low-Profile 2-port Gigabit Ethernet LAN card

AOC-SG-I2 provides industry-best performance per cost ratio through its high-performing, PCI Express 10/100/1000 Ethernet connection. A compact design controller that also improves flexibility and performance in a virtualized environment in multi-core systems by lowering interrupt overhead and providing sorted multiple data queue paths.



To order, contact your distributor. This product is only available through Supermicro.

Compliance / Environmental

RoHS

- RoHS Compliant 6/6, Pb Free

Environmental

- Operating temperature: 0C to 55C

Compatible UIO Motherboards and Servers

Motherboards	Support motherboards with minimum PCI-e x4 slot
Servers	Supports servers with low-profile or full-height PCI-e expansion slot

Highlights

- PCI Express 2.0 (2.5Gbps)
- Intel I/O Acceleration Technology (I/O AT)
- Jumbo Frames support up to 9.5KB packets
- VMDq for Virtualized Environments
- Low-latency interrupts
- Wake On LAN (WOL)
- Pre-boot Execution Environment (PXE)
- Direct Cache Access (DCA)
- iSCSI Boot

Specifications

- Intel 82575EB dual-port Gigabit Ethernet controller
- Dual RJ45 connectors
- PCI-e x4
- Low-profile standard form factor
- Intel I/O AT 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
- Support caches up to 64 packets descriptors per queue
- Support for transmission and reception of packets up to 9.5KBs (Jumbo Frames)
- IEEE 802.3 auto-negotiation
- IEEE 802.3 compliant flow-control support
- VMDq for virtualized environments
- Direct Cache Access (DCA)
- Tx/Rx IP, TCP, and UDP checksum offloading (IPv4, IPv6) capabilities
- Tx TCP segmentation offloading (IPv4, IPv6)
- Wake on LAN (WOL) support
- iSCSI boot
- Supported cable length is more than 100 meters
- Supported OS: Windows, Linux, VMWare, FreeBSD, Netware

Downloads

User's Guide	[Download] (287 KB)
Driver	[FTP Site]
Driver CD	[FTP Site]