

The compact AOC-PG-i2+ is designed to fit in 1U next generation Intel® Tylersburg-based systems. It allows users to add two additional LAN ports without sacrificing valuable space which can be used for additional, larger cards. Based on the versatile Intel® 82576EB controller the AOC-PG-i2+ produces the best performance and efficiency. As part of the VMDq ecosystem it is also the perfect card for virtualized environments. The AOC-PG-i2+ is the ideal choice for the most demanding users looking to maximize connectivity in a small form factor.

#### Key Features

- **PCI Express 2.0 (2.5GT/s)**
- **Intel® I/O Acceleration Technology 2 (I/OAT)**
- **Jumbo Frames support up to 9.5KB packets**
- **VMDq for Virtualized Environments**
- **Next-Generation VMDq**
- **Low-latency interrupts**
- **Direct Cache Access (DCA)**
- **Intel® PROSet Utility for Teaming**



#### Specifications

- Intel® 82576EB dual-port Gigabit Ethernet controller
- Two RJ45 connectors
- PCI-E x4 signal in PCI-E x8 connector
- Low-profile proprietary 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
- Supports caches up to 64 packet descriptors per queue for efficient use of PCI-E bandwidth
- Supports 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
- Next-generation VMDq that provides loopback functionality to improve throughput and lower CPU utilization
- Direct Cache Access (DCA)
- Tx/Rx IP, TCP, and UDP checksum offloading (IPv4, IPv6) capabilities
- Tx TCP segmentation offloading (IPv4, IPv6)
- Intel® PROSet Utility for Windows Device Manager to support LAN teaming
- Supported cable length up to 100 meters
- Supported OSs: Windows, Linux, VMware, FreeBSD, Netware
- Typical power consumption: 3W
- Storage temperature: -40°C to 70°C (-40°F to 158°F)
- Storage humidity: 90% non-condensing relative to humidity at 35°C
- Physical dimensions: 9.6cm (3.78in) x 6.2cm (2.44in) (L x W)
- Height of end bracket: low-profile – 8.0cm (3.15in)

#### Compliance/Environmental

- RoHS Compliant 6/6, Pb Free



#### Supported Platforms

- Requires RSC-R1UU-E8PR riser card
- For the latest supported platforms, please visit the Super Micro Computer, Inc. website or contact technical support: [Support@Supermicro.com](mailto:Support@Supermicro.com)

For the most current product information, visit:

[www.supermicro.com](http://www.supermicro.com)