AOC-AG-i4S & AOC-AG-i4SM

The Supermicro Advanced I/O Module (AIOM) Provides Ultimate Choice In Adapters

The Supermicro® Advanced I/O Module (AIOM) is the latest form factor designed to provide a wide range of networking options as well as other I/O technologies. The AOC-AG-i4S is a flexible and scalable GbE controller providing 4 SFP ports. Based on Intel GbE network controller i350, the AOC-AG-i4S is designed with performance enhancing features and power management technologies.

Key Features:
- **Advanced I/O Module (AIOM) Form Factor**
- **Intel® i350 GbE controller**
- **4 SFP Connectors**
- **Energy Efficient Ethernet (EEE)**
- **Reliable and proven Gigabit Ethernet technology**
- **Asset Management Features**
- **NC-SI for Remote Management**
- **RoHS compliant 6/6**

AOC-AG-i4SM

AOC-AG-i4S

Specifications

- **General:**
  - Advanced I/O Module (AIOM) Form Factor
  - Intel® i350 GbE controller
  - 4 SFP ports

- **Ethernet Features:**
  - IEEE 802.3 auto-negotiation for speed, duplex, and flow control
  - IEEE 802.3x and 802.3z compliant flow control support
  - Automatic cross-over detection function (MDI/MDI-X)
  - 1Gb/s Ethernet IEEE 802.3, 802.3u, 802.3ab PHY specifications Compliant
  - IEEE 1588 protocol and 802.1AS implementation

- **Power Management and Efficiency:**
  - Energy Efficient Ethernet (EEE)
  - DMA Coalescing reduces platform power consumption
  - Active State Power Management (ASPM) support
  - LAN disable function
  - Low Power Link Up – Link Speed Control

- **Virtualization Features:**
  - PC-SIG SR-IOV support
  - VM to VM Packet forwarding (Packet Loopback)
  - Flexible Port Partitioning
  - IEEE 802.1q VLAN support
  - IEEE 802.1q advanced packet filtering
  - Jumbo Frames support

- **Performance Features:**
  - TCP/UDP, IPv4 and IPv6 checksum offloads to improve CPU usage
  - Low Latency Interrupts
  - Tx TCP segmentation offload (IPv4, IPv6) increases throughput and lowers processor usage
  - Receive Side Scaling (RSS) for Windows environment, Scalable I/O for Linux environments
  - Intelligent interrupt generation

- **Management Features:**
  - Preboot eXecution Environment (PXE) support
  - iSCSI Remote Boot Support
  - Asset Management support on Supermicro® platforms
  - NC-SI for remote management

- **OS Support:**
  - Windows
  - RedHat Linux
  - SUSE Linux
  - FreeBSD
  - UEFI
  - VMWare

- **Power Consumption:**
  - Typical 3.7W; Maximum 4.4W

- **Operating Conditions:**
  - Storage temperature: -40℃ to 70℃ (-40°F to 158°F)
  - Storage humidity: 90% non-condensing relative humidity at 35℃

- **Physical Dimensions:**
  - Card PCB dimensions: 76mm (2.992in) x 115mm (4.528in) (W x D)

Please note that this product is sold only as part of an integrated solution with Supermicro server systems.

Available SKUs

Product Part Number	Bracket Included	Description
AOC-AG-i4S	BKT-0158L	4-port Gigabit Ethernet Adapter with an 1U bracket.
AOC-AG-i4SM	BKT-0159L	4-port Gigabit Ethernet Adapter with a 0.5U bracket.

For the most current product information, visit:
www.supermicro.com