

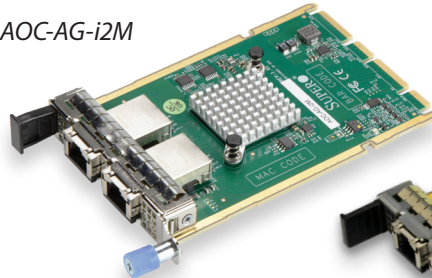
Advanced I/O Module (AIOM) Gigabit Ethernet Adapters

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 GbE adapter AOC-AG-i2M/G is a flexible and scalable GbE solution providing 2 RJ45 ports. Based on the Intel® network controller i350 with performance-enhancing features and power management technologies, the AOC-AG-i2M/G provides a quality networking choice for data centers while reducing CPU utilization and power consumption. With the added NC-SI feature, this adapter can also function as a secure networking port for server remote management.

Key Features

- **Advanced I/O Module (AIOM) Form Factor**
- **2x1Gbps ports with RJ45 Connectors**
- **Intel® i350 GbE controller**
- **Energy Efficient Ethernet (EEE)**
- **Reliable and proven Gigabit Ethernet technology**
- **Asset Management Features with thermal sensor**
- **NC-SI for Remote Management**
- **RoHS compliant 6/6**

AOC-AG-i2M



AOC-AG-i2G



Specifications

- **General**
 - Advanced I/O Module (AIOM) Form Factor
 - Intel® i350 GbE Controller
 - 2x1Gbps ports: 2x RJ45 Connectors
 - **Networking 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
 - **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
 - **Power Management and Efficiency**
 - Energy Efficient Ethernet (EEE)
 - DMA Coalescing reduces platform power consumption
 - PCI Express Active State Power Management (ASPM)
 - LAN disable function
 - Low Power Link Up – Link Speed Control
 - **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® Server
 - RedHat Linux
 - SUSE Linux
 - FreeBSD
 - UEFI
 - VMWare
 - **Power Consumption (Max)**
 - 3.7W
 - **Operating Conditions**
 - Storage temperature: -40°C to 70°C (-40°F to 158°F)
 - Storage humidity: 90% non-condensing relative humidity at 35°C
 - **Physical Dimensions**
 - PCB dimensions: 76mm x 115mm (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-i2M	BKT-0168L	2-port Gigabit Ethernet Adapter with a 0.5U height bracket
AOC-AG-i2G	BKT-0224L	2-port Gigabit Ethernet Adapter with a 0.5U height bracket for Grand Twin Front IO systems.