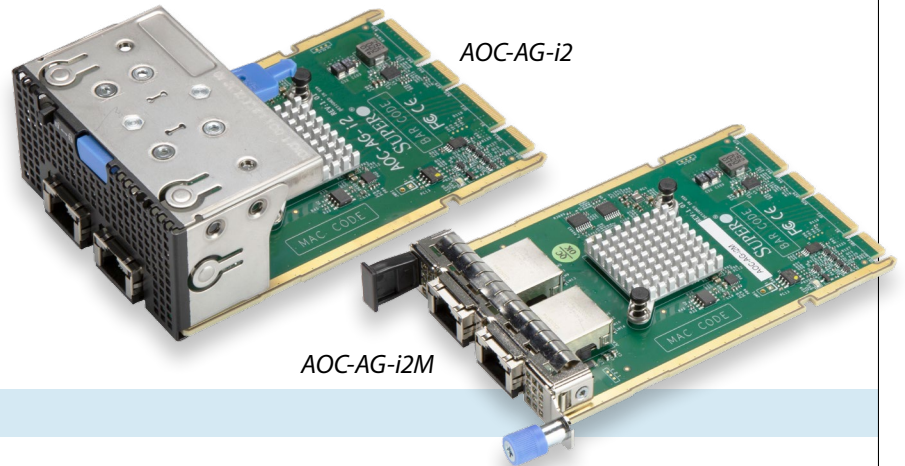


## Advanced I/O Module (AIOM) Gigabit Ethernet Adapters

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-i2(M) 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-i2(M) 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**
- **2 1Gbps 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**



### Specifications

- **General**
    - Advanced I/O Module (AIOM) Form Factor
    - Intel® i350 GbE Controller
    - 2 1Gbps 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)**
    - AOC-AG-i2(M): 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-i2	BKT-0167L	2-port Gigabit Ethernet Adapter with an 1U height bracket
AOC-AG-i2M	BKT-0168L	2-port Gigabit Ethernet Adapter with a 0.5U height bracket