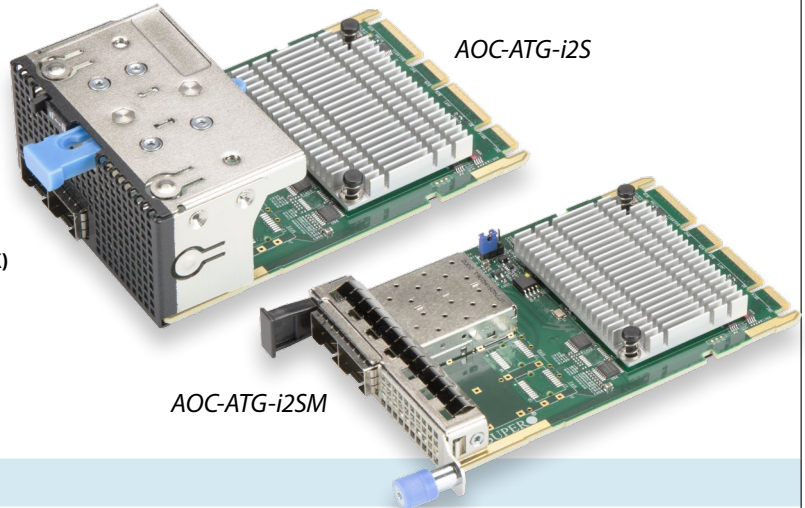


## Advanced I/O Module (AIOM) 10GbE Ethernet Adapter

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 10GbE adapter AOC-ATG-i2S(M) is a flexible and scalable 10GbE solution providing 2 SFP+ ports. Based on Intel® X710-BM2 network controller with performance-enhancing features and power management technologies, the AOC-ATG-i2S(M) provides a quality networking choice for data centers while reducing CPU utilization and power consumption. With the added NC-SI feature, this adapter also can function as a secure networking port for server remote management.

### Key Features

- **Advanced I/O Module (AIOM) Form Factor**
- **2 10Gbps ports with SFP+ connectors**
- **Intel® X710-BM2 Ethernet Controller**
- **Network Virtualization: VXLAN and NVGRE**
- **Intel® Ethernet Flow Director**
- **Data Plane Developer Kit for efficient packet processing (DPDK)**
- **Asset Management Features**
- **NC-SI for Remote Management**
- **Supports both Direct Attach Copper and Fiber Cables**
- **RoHS compliant 6/6**



### Specifications

- **General**
  - Advanced I/O Module (AIOM) Form Factor
  - Intel® X710-BM2 controller
  - 2x SFP+ connectors with speed up to 10Gbps per port
- **Networking Features**
  - IEEE 802.3ad, 802.1AX Link Aggregation
  - IEEE 802.1Q VLAN
  - MSI and MSI-X support
  - Intel® Flow Director
  - Jumbo Frames (up to 9.5KB)
  - IEEE 802.3x Flow Control
  - Teaming support
  - Checksum Offload (IPv4/IPv6, SCTP, TCP, UDP, Tx/Rx)
- **Virtualization Features**
  - Virtual Machine Devices queues (VMDq)
  - Single-Root I/O Virtualization (SR-IOV)
  - VLAN
  - VXLAN and NVGRE
  - GENEVE
- **Management Features**
  - Asset Management support with thermal sensor
  - NC-SI for remote management
  - PXE remote boot
  - iSCSI remote boot
- **Power Savings**
  - ACPI compliant power management
  - PCI Express Active State Power Management (ASPM)
  - Energy Efficient Ethernet (IEEE 802.3az)
- **OS Support**
  - Windows® Server
  - Linux RHEL
  - Linux SLES
  - Linux Ubuntu
  - Linux CentOS
  - FreeBSD
  - VMware
- **Cable Support**
  - SFP+ direct attach twin-axial copper cables up to 5m
  - Fiber-optic cables (with required optional SFP+ transceivers)
- **Power Consumption (Max)**
  - AOC-ATG-i2S: 6.2W
- **Operating Conditions**
  - Storage condition: -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)

### Available SKUs

Product Part Number	Bracket Included	Description
AOC-ATG-i2S	BKT-0171L	2-port 10 Gigabit Ethernet Adapter with a 1U height bracket
AOC-ATG-i2SM	BKT-0172L	2-port 10 Gigabit Ethernet Adapter with a 0.5U height bracket