

AOC-ATG-i4S, AOC-ATG-i4SM & AOC-ATG-i4SG

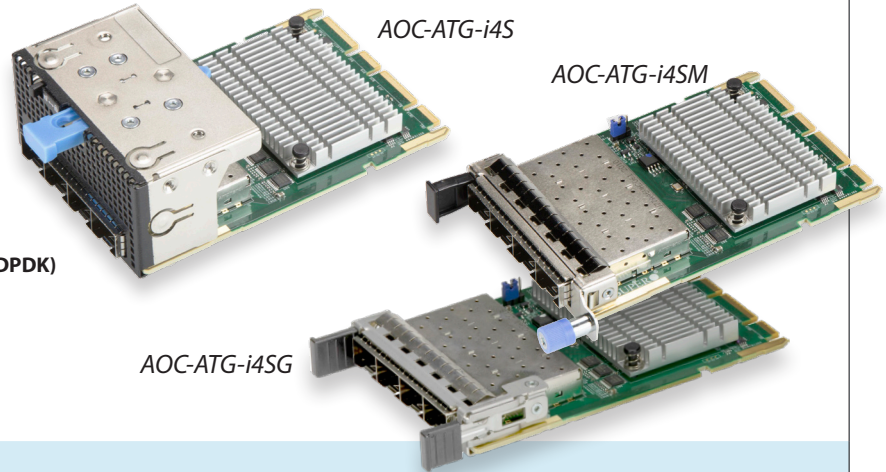


Advanced I/O Module (AIOM) 10GbE Ethernet Adapter

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-i4S(M) is a flexible and scalable 10GbE solution providing 4 SFP+ ports. Based on the Intel® XL710-BM1 network controller with performance-enhancing features and power management technologies, the AOC-ATG-i4S(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
- 4 10Gbps ports with SFP+ connectors
- Intel® XL710-BM1 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® XL710-BM1 controller
 - 4x 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-i4S: 7W
- **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-i4S	BKT-0158L	4-port 10 Gigabit Ethernet Adapter with a 1U height bracket
AOC-ATG-i4SM	BKT-0159L	4-port 10 Gigabit Ethernet Adapter with a 0.5U height bracket
AOC-ATG-i4SG	BKT-0206L	4-port 10 Gigabit Ethernet Adapter with a 0.5U height Narrow bracket for Grand Twin Front IO systems.