

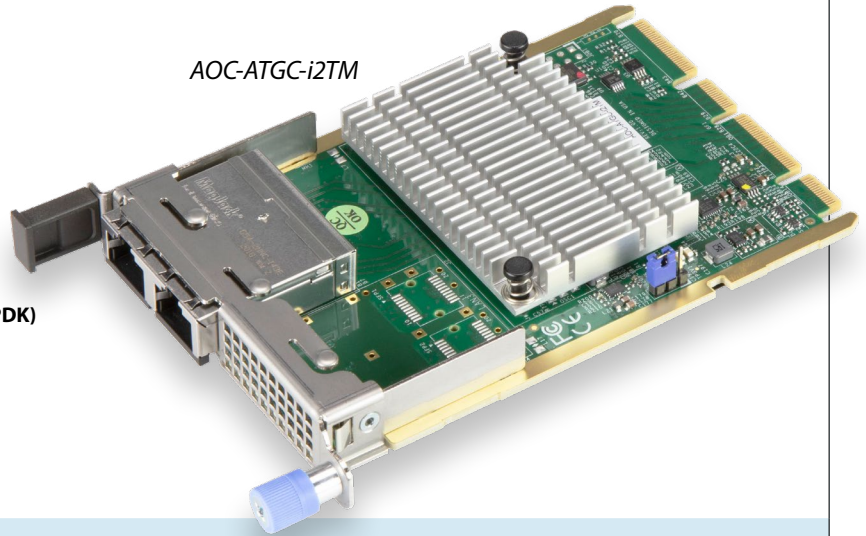
Advanced 10Gb Ethernet controller in Supermicro Advanced I/O Module (AIOM)

Supermicro® Advanced I/O Modules (AIOM) is the latest form factor designed to provide a wide range of networking options and other I/O technologies. The AOC-ATGC-i2TM is one of the most flexible and scalable 2-port 10Gb network solutions in the market. Based on the Intel® X710-AT2 network controller with performance-enhancing features and power management technologies, the AOC-ATGC-i2TM 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 remote server management.

Key Features

- **Advanced I/O Module (AIOM) Form Factor**
- **Intel® X710-AT2 Ethernet Controller**
- **2x 10GBase-T ports with RJ45 connectors**
- **Network Virtualization: VXLAN and NVGRE**
- **Energy Efficient Ethernet (EEE)**
- **Intel® Ethernet Flow Director**
- **Data Plane Developer Kit for efficient packet processing (DPDK)**
- **Asset Management Features**
- **NC-SI for Remote Management**
- **Supports RJ-45 Category 6 and 6A cables**
- **RoHS compliant 6/6**

AOC-ATGC-i2TM



Specifications

- **General**
 - Advanced I/O Module (AIOM) Form Factor
 - Intel® X710-AT2 controller
 - 2x RJ45 connectors with speed up to 10Gbps per port
 - PCIe Gen3 X8
- **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
 - Preboot eXecution Environment (PXE)
 - iSCSI remote boot
 - PLDM
- **Power Savings**
 - ACPI compliant power management
 - Energy Efficient Ethernet (IEEE 802.3az)
- **OS Support**
 - Windows®
 - Linux RHEL
 - Linux SLES
 - Linux Ubuntu
 - Linux CentOS
 - FreeBSD
 - VMware
- **Power Consumption**
 - Maximum: 9.5W
- **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)

Available SKUs

SKUs	Bracket Included	Description
AOC-ATGC-i2TM	BKT-0185L	2-port 10 Gigabit Ethernet Adapter with a 0.5U height bracket.