

# AOC-ATG-i2T & AOC-ATG-i2TM

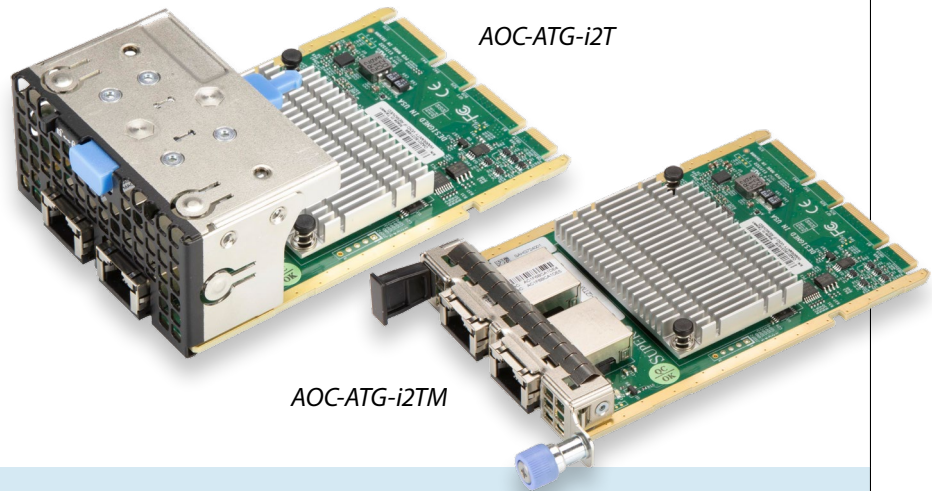


## Advanced 10Gb Ethernet controller in Supermicro Advanced I/O Module (AIOM)

Supermicro® Advanced I/O Modules (AIOM) is the latest form factor designed to provide a wide range of networking options as well as other I/O technologies. The AOC-ATG-i2T is one of the most feature-rich low power 10GBase-T controllers in the market today. Based on the Intel® X550 chipset with virtualization features such as VXLAN and NVGRE, it offers flexible connectivity selection for all networking requirements. The integration of 10GbE MAC+PHY with Intel® X550, it helps to drive down both cost and power, enabling the most cost-effective solution in the data center. The AOC-ATG-i2T is among the most innovative 10GbE controllers in the market and an excellent choice to expand network connectivity in the data centers and enterprise environments.

### Key Features

- Advanced I/O Module (AIOM) Form Factor
- Intel® X550 10GbE controller
- Dual RJ45 Connectors
- Network Virtualization Offloads: VXLAN and NVGRE
- VMDq and SR-IOV for virtualized Environment
- Jumbo Frames support up to 15.5KB
- Asset Management Features with thermal sensor
- NC-SI for Remote Management
- Supports RJ-45 Category-6 and 6A cables
- RoHS compliant 6/6



### Specifications

#### General

- Advanced I/O Module (AIOM) Form Factor
- Intel® X550 dual-port 10GbE controller with integrated MAC and PHY
- Dual RJ45 ports

#### I/O Features

- Intel Flow Director
- MSI/MSI-X support
- Tx/Rx IP, SCTP, TCP, and UDP Checksum Offloading (IPv4, IPv6) Capabilities
- Tx TCP Segmentation Offload (IPv4, IPv6)
- RSS for Windows Environment Scalable I/O for Linux Environments

#### Virtualization Features

- Network Virtualization Stateless Offload: VXLAN, NVGRE
- Support for Virtual Machine Device Queues (VMDq)
- 64 Transmit (Tx) and Receive (Rx) Queue Pairs Per Port
- FPP - 64 VFs per Port
- PCI-SIG SR-IOV
- 802.1q VLAN support

#### Manageability Features

- Preboot eXecution Environment (PXE) support
- Remote Boot iSCSI and FCoE
- EEE 1588
- Asset Management support on Supermicro® platforms
- NC-SI for Remote Management on Supermicro® platforms

#### Cable Support

- RJ-45 Category-6 up to 55m; Category-6A up to 100m

#### Power Consumption

- Maximum power consumption 13W

#### 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

Product Part Number	Bracket Included	Description
AOC-ATG-i2T	BKT-0167L	2-port 10 Gigabit Ethernet Adapter with a 1U height bracket
AOC-ATG-i2TM	BKT-0168L	2-port 10 Gigabit Ethernet Adapter with a 0.5U height bracket