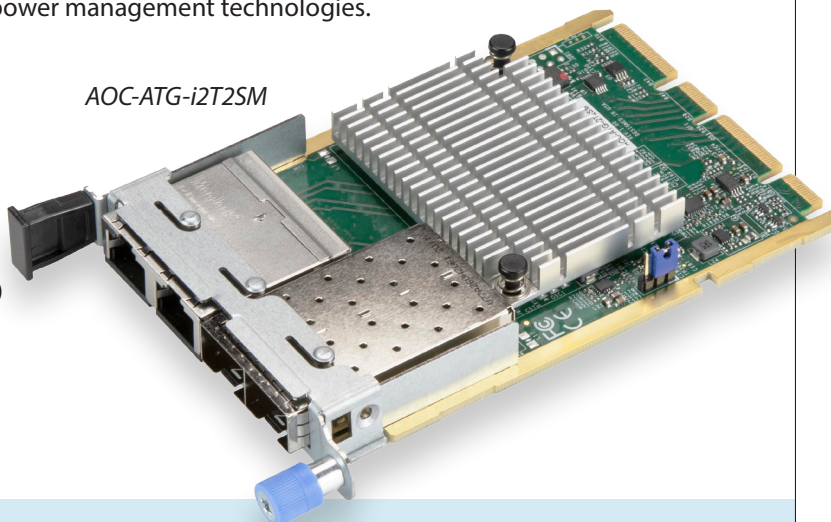# AOC-ATG-i2T2SM

Supermicro® Advanced I/O Modules (AIOM) are the latest form factor designed to provide a wide range of networking options as well as other I/O technologies. The AOC-ATG-i2T2SM is one of the most flexible and scalable 4-port 10Gb network solutions in the market. Based on Intel® X710-TM4 controller, it is designed to support a mixed network interface 2x RJ45 and 2x SFP+ connectors, with performance-enhancing features and power management technologies.

Key Features

- **Advanced I/O Module (AIOM) Form Factor**
- **Intel® X710-TM4 Ethernet Controller**
- **4x 10Gbps ports: 2x RJ45 and 2x SFP+ 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**
- **Supports both Direct Attach Copper and Fiber Cables**
- **RoHS compliant 6/6**

AOC-ATG-i2T2SM

Specifications

- **General**
  – Advanced I/O Module (AIOM) Form Factor
  – Intel® X710-TM4 controller
  – 2x RJ45 and 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
  – VXN and NVGRE
  – GENEVE
- **Management Features**
  – Asset Management support with thermal sensor
  – NC-SI for remote management
  – Preboot eXecution Environment (PXE)
  – 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®
  – 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)
  – RJ-45 Category-6 up to 55m; Category-6A up to 100m
- **Power Consumption**
  – Maximum: 10W
- **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**
  – Card 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-ATG-i2T2SM	BKT-0176L	4-port 10 Gigabit Ethernet Adapter with a 0.5U height bracket

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