The Most Versatile SIOM 4-port 10Gb Network Adapter

The Supermicro® AOC-MTG-i2T2S(M) 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. With SIOM form factor, this controller fulfills the needs of flexible networking options in a small footprint and allows capability to monitor the system remotely through built-in NC-SI feature.

Key Features

- Super I/O Module (SIOM) 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

Specifications

- General
  - Super I/O Module (SIOM) 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 1588 Time Stamping
  - 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 7m
  - 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: 92mm (3.62in) x 87.1mm (3.43in) (W x D)
- Supported Platforms:
  - Supermicro® motherboards with Super I/O Module slot
  - Supermicro® server systems with Super I/O Module slot
  - See SIOM Compatibility Matrix online: http://www.supermicro.com/support/resources/AOC/AOC_Compatibility_SIOM.cfm

Please note that this product is sold only as part of an integrated solution with Supermicro server systems.

Available SKUs

<table>
<thead>
<tr>
<th>Product Part Number</th>
<th>Bracket Included</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOC-MTG-i2T2S</td>
<td>BKT-0112L</td>
<td>4-port 10GbE adapter with a swappable bracket for 2U+ chassis (Storage Systems)</td>
</tr>
<tr>
<td>AOC-MTG-i2T2SM</td>
<td>BKT-0113L</td>
<td>4-port 10GbE adapter with an internal bracket for 1U chassis (Twin Systems)</td>
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</tbody>
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