AOC-MTG-i2T2S(M)



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)
- VLÂN
- VXLAN and NVGREGENEVE
- 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)

Available SKUs

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 ontic cables (with required optional SEP), transceive
- 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

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

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