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
  - EEEE 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

<table>
<thead>
<tr>
<th>Product Part Number</th>
<th>Bracket Included</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOC-ATG-i2T</td>
<td>BKT-0167L</td>
<td>2-port 10 Gigabit Ethernet Adapter with a 1U height bracket</td>
</tr>
<tr>
<td>AOC-ATG-i2TM</td>
<td>BKT-0168L</td>
<td>2-port 10 Gigabit Ethernet Adapter with a 0.5U height bracket</td>
</tr>
</tbody>
</table>

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

www.supermicro.com

August 2020