AOC-MG-b2

Supermicro Super I/O Module (SIOM) with Broadcom NetXtreme Ethernet Controller

The Supermicro AOC-MG-b2 features Broadcom’s field-proven dual-port NetXtreme BCM5720 Ethernet controller to deliver lower power consumption and Energy Efficient Ethernet (EEE). In small form factor SIOM, this adapter is supported in Supermicro Twin and SuperStorage servers. The Supermicro AOC-MG-b2 provides a reliable, high-performance, energy-efficient 1 GbE connectivity solution.

Key Features:
- Super I/O Module (SIOM) Form Factor
- Broadcom® BCM5720 1 GbE controller
- Dual RJ45 Connectors
- Energy Efficient Ethernet (EEE)
- Optimized for Virtualization
- Asset Management Features
- RoHS compliant 6/6

Specifications

• General:
  - Super I/O Module (SIOM) Form Factor
  - Broadcom BCM5720 dual-port 1Gbps controller
  - Dual RJ45 connectors

• Networking Features:
  - Jumbo Frames (up to 9600-byte)
  - Link Aggregation and automatic load-balancing
  - Wake-on-LAN support
  - Support for VMware NetQueue and Microsoft VMQ
  - MSI and MSI-X support
  - VLANs support with VLAN tagging
  - Energy Efficient Ethernet (EEE)

• Offload Features:
  - TCP, UDP and IP checksum offloads
  - TCP segmentation Offload (TSO)
  - Large Receive Offload (LSO)
  - Receive Side Scaling (RSS)
  - Transmit Side Scaling (TSS)

• Management Features:
  - Network Controller Sideband Interface (NC-SI)
  - Preboot eXecution Environment (PXE) support
  - iSCSI remote boot support
  - Asset Management – Monitoring model, PCB Rev., Serial number, MAC addresses with Supermicro management software.

• OS Support:
  - Windows
  - Linux RedHat
  - Linux SUSE
  - VMware

• Power Consumption:
  - Maximum 4.2W

• Operating Conditions:
  - Operating temperature: 0°C to 55°C (32°F to 131°F)
  - Storage temperature: -40°C to 65°C (-40°F to 149°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

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<tr>
<th>SKUs</th>
<th>Bracket Included</th>
<th>Description</th>
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<tr>
<td>AOC-MG-b2</td>
<td>BKT-0086L</td>
<td>2-port Gigabit Ethernet Adapter with a swappable bracket for 2U+ chassis (Storage Servers)</td>
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<td>AOC-MG-b2M</td>
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For the most current product information, visit: www.supermicro.com
### Similar Products

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