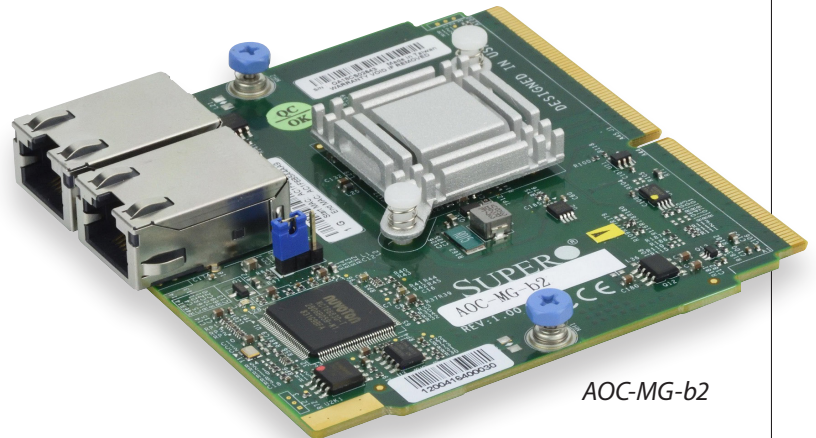


Supermicro Super I/O Module (SIOM) with Broadcom NetXtreme Ethernet Controller

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

SKUs	Bracket Included	Description
AOC-MG-b2	BKT-0086L	2-port Gigabit Ethernet Adapter with a swappable bracket for 2U+ chassis (Storage Servers)
AOC-MG-b2M	BKT-0085L	2-port Gigabit Ethernet Adapter with an internal bracket for 1U chassis (Twin Servers)

Similar Products

Product Part Number	Form Factor	Protocols	Connector Type	Total Ports	Controller
AOC-MGP-i2	SIOM	1GbE	RJ45	2	Intel® i350
AOC-MGP-i4	SIOM	1GbE	RJ45	4	Intel® i350
AOC-MTGN-i2S	SIOM	10GbE	SFP+	2	Intel® 82599
AOC-MTG-i4S	SIOM	10GbE	SFP+	4	Intel® XL710
AOC-MTG-b2T	SIOM	10GbE	RJ45	2	Broadcom® BCM57416
AOC-MTG-i2T	SIOM	10GbE	RJ45	2	Intel® X550
AOC-MTG-i4T	SIOM	10GbE	RJ45	4	Intel® X550
AOC-MH25G-b2S2G	SIOM	25GbE	SFP28	2	Broadcom® BCM57414
		1GbE	RJ45	2	Intel® i350
AOC-MH25G-m2S2T	SIOM	25GbE	SFP28	2	Mellanox® CX4 Lx EN
		10GbE	RJ45	2	Intel® X550
AOC-M25G-m4S	SIOM	25GbE	SFP28	4	Mellanox® CX4 Lx EN
AOC-M25G-i2S	SIOM	25GbE	SFP28	2	Intel® XXV710
AOC-MHIBF-m2Q2G	SIOM	Infiniband FDR	QSFP	2	Mellanox® ConnectX-3 Pro
		GbE	RJ45	2	Intel® i350
AOC-MHIBF-m1Q2G	SIOM	Infiniband FDR	QSFP	1	Mellanox® ConnectX-3 Pro
		GbE	RJ45	2	Intel® i350
AOC-MHIBE-m1CG	SIOM	Infiniband FDR	QSFP28	1	Mellanox® ConnectX-4 VPI
		GbE	RJ45	1	Intel® i210
AOC-MHFI-1C	SIOM	Omni-Path	QSFP28	1	Intel® OP HFI ASIC