

# Add-on Card AOC-SLG4-2H8M2

## Specifications

### Add-on Card

#### Supermicro Low Profile 2x PCIe Gen 4 Hybrid NVMe/SATA M.2 RAID Boot Storage Adapter

The Supermicro MegaRAID Low Profile AOC-SLG4-2H8M2 is a PCIe Gen 4.0 x8 M.2 SSD carrier card that enables the user to add up to two NVMe or SATA M.2 SSDs. M.2 solid state technology is an optimized, high-performance, scalable storage solution, effectively streamlined for enterprise and client systems that leverage the cutting-edge power of PCI Express 4.0 technology. AOC-SLG4-2H8M2 supports adjustable stand-offs in 22110, 2280, & 2242 M.2 SSD form factors with RAID 0 and RAID 1.



This product is only available through Supermicro.

Compatible with Supermicro motherboards only.

#### Product Note:

1. Supermicro AOC-SLG4-2H8M2, as a Gen 4 NVMe M.2 adapter, is carrying its new accessory - a uniquely designed heatsink - when being compared to the previous gen product - AOC-SLG3-2H8M2 - for Gen 3 NVMe M.2 and without heatsink. While adopting 22x110mm M.2s, it is suggested to ONLY select the M.2s qualified by referencing each system's AVL with AOC-SLG4-2H8M2.
2. AOC-SLG4-2H8M2 carries SAS 3808 chipset, a 12Gb/s SAS/SATA controller. Thus NVMe M.2s populated on the carrier are exposed with SAS addresses and recognized as SATA devices or SAS drives by OS or BIOS.
3. When a system with IOMMU or VT-d enabled is configured with an iMR controller-based storage add-on-card/module, please make sure the system BIOS supports either IVMD (AMD-based system) or RMRR (Intel-based system) for iMR controller to work seamlessly with host memory. Also see statements from Broadcom in its [user guide](https://techdocs.broadcom.com/content/dam/broadcom/techdocs/data-center-solutions/tools/generated-pdfs/12Gbs-MegaRAID-Tri-Mode-Software.pdf) (<https://techdocs.broadcom.com/content/dam/broadcom/techdocs/data-center-solutions/tools/generated-pdfs/12Gbs-MegaRAID-Tri-Mode-Software.pdf>), section "HII Configuration Utility".

### Compliance

#### RoHS

RoHS Compliant 6/6, Pb Free

### Key Features

- Broadcom 3808 SAS controller, dual M-Key sockets, 16 Gb/s per port, with RAID 0 and 1.
- Broadcom SAS3808 I/O RAID Controller
- x8 PCIe Gen4 Host interface
- Dual M-Key sockets (for 2x M.2 SSD)
- Adjustable stand-offs supporting 22110, 2280, & 2242 M.2 SSD form factors
- Support NVMe Gen 4 (16 Gbps) M.2 modules and SATA Gen 3 (6 Gbps) M.2 modules
- Supports RAID 0 and RAID 1
- Support MCTP over PCIe/ I2C
- Support BMC-enabled management
- Support secure erase
- Support hardware secure boot
- Support on-board LEDs for SSD Activity and Status
- UEFI Configuration utility
- OS Support: Windows, Linux, and VMWare
- Power Consumption: 7W (AOC only, maximum; M.2 power consumption excluded)
- Thermal operating range: System dependent (55°C or higher w/ enough airflow)

### Dimensions

**L x H**  
6.6" x 2.71"  
**Weight**  
0.25 lbs

### Validated Platforms

#### Servers

[\[Validated Platform List\]](#)

[\(/en/products/accessories/addon/viewall.php?systemResult=s%3A18%3A%22AOC-SLG4-2H8M2.php%22%3B\)](/en/products/accessories/addon/viewall.php?systemResult=s%3A18%3A%22AOC-SLG4-2H8M2.php%22%3B)

### Downloads

#### User's Guide

[\[Download\]](#)

[\(/about/policies/disclaimer\\_manuals.cfm?url=/manuals/other/AOC-SLG4-2H8M2.pdf\)](/about/policies/disclaimer_manuals.cfm?url=/manuals/other/AOC-SLG4-2H8M2.pdf)

#### Driver

[\[Download\]](#)

[\(/about/policies/disclaimer.cfm?url=https://www.supermicro.com/wdl/driver/SAS/Broadcom/3808-3816/Driver/iMR/\)](/about/policies/disclaimer.cfm?url=https://www.supermicro.com/wdl/driver/SAS/Broadcom/3808-3816/Driver/iMR/)

#### Firmware

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### Tested Drives

#### Tested M.2

[\[View List\]](#)

[\(/en/support/resources/m2ssd?SystemID=88619&ProductName=AOC-SLG4-2H8M2\)](/en/support/resources/m2ssd?SystemID=88619&ProductName=AOC-SLG4-2H8M2)

## Parts List

Global SKU ([/de/products/SMC\\_global\\_skus](/de/products/SMC_global_skus))