

Add-on Card AOC-S3108L-H8iR

Specifications

Add-on Card

Supermicro Low Profile 12Gb/s Eight-Port SAS Internal RAID Adapter

The Supermicro MegaRAID Low Profile **AOC-S3108L-H8iR** features 8 internal SAS connectors for high-performance storage connectivity. This RAID card is built on the Broadcom SAS IC technology and proven MegaRAID technology. It addresses the growing demand for increased data throughput and scalability requirement across the enterprise-class server platforms. With high performance RAID architecture, including hardware RAID 5 and 6, this new RAID controller card supports high capacity storage applications. It delivers **cost effective** storage solutions using SATA drives and **maximum performance and reliability** with SAS drives.

With the option of SuperCap/TFM unit, this provides **cached data protection** and allows system builders to protect cached data even during the most catastrophic system failures.

Use a Broadcom 3108 I/O processor for optimum RAID performance and a PCI Express host interface for increased bandwidth. This RAID adapter delivers an intelligent and robust RAID solution.

Using expander backplanes, the **AOC-S3108L-H8iR** supports up to **240 HDD** w/ RAID 0, 1, 5, 6, 10, 50 and 60. The **AOC-S3108L-H8iR-16DD** supports up to **16 HDD** w/ RAID 0, 1, 5, 6, 10, 50 and 60.



This product is only available through Supermicro.

Compatible with Supermicro motherboards only.

* X9 motherboards are EOLed and work with FW 4.6800-8290 and older.

Compliance

RoHS

- RoHS Compliant 6/6, Pb Free

Key Features

- Broadcom 3108 8-port PCI-E SAS-3 controller
- 8-port (8 internal) 12Gb/s per port
- Supports RAID 0, 1, 5, 6, 10, 50, 60
- On board hardware IO Processor
- 2GB 1866MHz DDR3 on-card cache
- Advanced array configuration and management utilities
- Automatically negotiates PCI-E link widths
- Power management support
- Supports 1.5, 3.0, 6.0 and 12Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- Supports SSP, SMP, STP and SATA protocols
- Optional Supercap/TFM Unit for cached data protection BTR-TFM8G-LSICVM02 (See "Optional Parts List" below for more details)
- OS Support : Windows (2012, Server 2016 , Server 2019, 8 and 8.1), Linux RHEL, Ubuntu and SUSE
- Uses 2 MiniSAS HD (SFF-8643) connectors
- Operating Temp: 10° to 55°C

Dimensions and Weight

H x L	2.71" x 6.6"
Weight	0.5 lbs

Tested Motherboards and Servers

Motherboards

- [X10SRI-F](#)
- [X10SRW-F](#)
- [X9SRH-7F*](#)
- [X9DR3-LN4F+*](#)
- [X9DRW-CF31*](#)
- [X9DRT-PIBQ*](#)

Downloads

User's Guide	[Download]
Driver	[Download]
Firmware	[Download]

Tested Hard Drives

Tested HDD/SSD	[Tested HDD List]
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Parts List

Parts List

	Part Number	Qty	Description
Add-on Card	AOC-S3108L-H8iR	1	Low Profile 12Gb/s Eight-Port SAS Internal RAID Adapter

Optional Parts List

	Part Number	Qty	Description
Add-on Card	AOM-SAS3-8I8E-LP	-	8-port Mini SAS HD Int-to-Ext cable adapter w/ LP bracket
Add-on Card	AOM-SAS3-16I16E-LP	-	16-port Mini SAS HD Int-to-Ext cable adapter w/ LP bracket
Cable	CBL-SAST-0532	-	MINI SAS HD,12G,INT,50CM,30AWG
Cable	CBL-SAST-0550	-	MINI SAS HD,12G,INT,25CM,30AWG
CacheVault Module	BTR-TFM8G-LSICVM02	-	Supercap/TFM Unit for cached data protection - operating temperature (Ambient) from 10°C - 55°C.
CacheVault Installation Kit	MCP-240-00127-0N	-	Supermicro kit - Uses drive slot
CacheVault Installation Kit	BKT-BBU-BRACKET-05	-	Broadcom kit - Uses PCI slot