

Specifications

Add-on Card

Supermicro 12Gb/s Sixteen-Port SAS/SATA Internal Host Bus Adapter

The Supermicro HBA **AOC-S3616L-L16iT** features 16 internal direct-attached SAS/SATA connections with four Mini SAS HD connectors and the HBA delivers high performance by utilizing PCI-E Gen3 x16.

Key Benefits

High Performance

- Offers over 1.7 Million IOPs
- Delivers close to 12GB/s throughput

High Port Account Supportability

- The HBA supports up to 240 storage device connections in IT mode

Ease of Management

- HBA management is done through sideband IPMI utilities



Compatible with Supermicro motherboards only.

Compliance

RoHS

- RoHS Compliant 6/6, Pb Free

Key Features

- Broadcom 3616 SAS3 controller
- 16-port (internal), 12Gb/s per port
- Supports JBOD and up to 240 devices
- Automatically negotiates PCI-E (1x, 2x and 3x) link widths
- Power management support
- Supports 3.0, 6.0 and 12Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- Supports SSP, SMP, STP and SATA protocols
- Zoning capability w/ SAS3 expanders
- OS Support : Windows Server 2012, Windows 8.x, Windows 10, Windows Server 2016, Windows Vista, FreeBSD, RedHat and SUSE Linux
- Processor at 1.2 GHZ
- Power: 15.1 Watts
- Uses 4 MiniSAS HD (SFF-8643) connectors
- Operating Temp: 10° to 55°C

Dimensions and Weight

L x W	2.7" x 6.1"
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Weight	0.5 lbs
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Tested Motherboards and Servers

Motherboards	X10DRU-i+ X11DPI-N
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Downloads

User's Guide	[Download]
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Drivers/Firmware	[Download]
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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-S3616L-L16iT	1	Supermicro 12Gb/s 16-Port SAS Internal HBA 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