

Mini-SAS HD SFF-8644 to Mini-SAS HD SFF-8644 Active Optical Cable.

This Mini SAS HD AOC is of high-performance with full-duplex and aggregate 48Gbps bandwidth for SAS3.0 protocol in storage applications. Compared to conventional copper cables, longer, lighter, and flexible Optical cables enable the ease of complicated data-center cabling because of its small cable diameter of only 3-mm. High-quality of 850-nm VCSELs and PIN PDs are utilized in the Mini SAS HD AOC cables, with superior signal integrity and bit-error-rate performance, which enables reliable operation performance. Additionally, AOC can easily be substituted by interfacing to systems via a broad range of standard MSA connectors including QSFP+, HD and CXP. The cables are electrically compliant with InfiniBand* FDR / QDR / DDR, Ethernet (10, 40 and 56 Gbps), Fibre Channel (8 and 10 Gbps), SAS 3.0 and 2.1 (12 and 6 Gbps) and other protocol applications.



Features

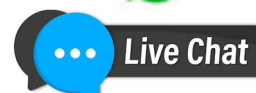
- Compliant with SAS-3.0 of 12-Gbps/Lane Speed
- Backwards compatible to SAS 2.1 6Gbps application
- Data rates : 12 Gbps
- Maximum aggregate data rate: 48Gb/s (4 x 12Gb/s)
- I/O Connector designed for high speed differential signal applications
- Connector Compliant with SFF 8644 Mini Multilane 4/8X 12 Gb/s Shielded Connector (HD12sh)
- Low Power Consumption < 2.5W
- Link length up to 100m over OM3 MMF
- Management interface compliant to SFF-8636
- EEPROM signature can be customized
- Full Duplex 4 Channel 850nm Parallel Active Optical Cable
- Hot pluggable electrical interfaces
- Multi-channel 850nm VCSEL array
- Multi-channel PIN-detector array
- Laser Class 1 Compliant



Contact Us:

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 (305) 865-8517  +1 (305) 710-6768



Specifications

- Type: Active / Optical
- Connector A: Mini SAS HD 4X12G (SFF 8644)
- Connector B: Mini SAS HD 4X12G (SFF 8644)
- Length: 1~100m
- Data rates: 48Gbps
- Impedance: 100 ohms differential, AC-coupled I/O
- Temperature Range - Operating: -0°C to +70°C
- Performance: BER < 10⁻¹²

Product Environmental Compliance

- RoHS Compliant

Applications

- Server, Storage, RAID Systems
- Workstation
- Switch
- SATA/ SAS Equipment
- High-Performance Computing (HPC)

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