

SATA/SAS SFP

Small Form-Factor Pluggable Transceiver

Overview

There are a number of different protocols used in the storage industry. In a storage test lab environment, flexibility and multi-protocol support is paramount to efficient operation. When dealing with the SATA/SAS protocol, cable length restraints and connector reliability compromise efficiency even further.

One of the physical layer switches, MRV's Media Cross Connect, addresses storage lab efficiency by providing a wire-once solution with support for Fibre Channel, iSCSI, FCoE, and now SATA/SAS in one system.

Features

- Dual rate 1.5/3.0Gbps
- Full transparency to end devices
- Input signal detection
- TX disable
- Standard SATA/SAS connector

SAS/SATA Modules Provide a Complete Wire-Once Solution

Using the MCC in a storage test lab enables lab administrators to physically connect storage equipment of various types and protocols providing greater flexibility and improved efficiency.

The MCC is initially cabled to all lab devices then software commands are used to configure and store test topologies to be recalled as needed. Test time and configuration errors are reduced, repeatability of tests like disaster or failover simulation is simplified, and expensive test equipment can be shared.

A small form-factor pluggable (SFP) device is developed specifically to support Serial Attached SCSI (SAS)/Serial ATA (SATA) to be used with the MCC interface blade. This SFP is available in two models: host and drive. The host SFP is designed to connect to the initiator and the drive SFP is designed to connect to the target.

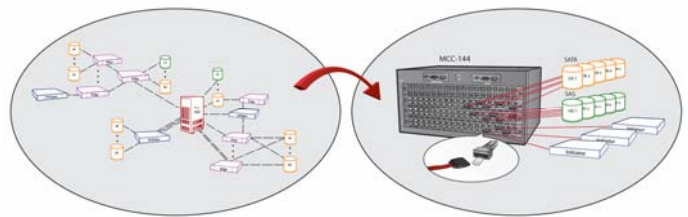
The blade architecture of the MCC allows mixing different types of blades in a single system. MRV's SATA/SAS SFP provides the flexibility to support different protocols within the same blade and allows the MCC to be tailored to meet the specific needs of the testing environment.

Product Overview



SATA/SAS SFP

COMPLEX MADE SIMPLE: WIRE-ONCE AND RECONFIGURE REMOTELY



MCC Applications

Test Lab Environments:

- Configure SATA/SAS, Fibre Channel, and FCoE using the same system.
- Simplify the complexities of testing clusters, RAID, and other storage array configurations.
- Cover more corner cases in product design.
- Simulate cable breaks or intermittent links in a controlled environment.
- Increase test lab productivity and decrease time to market for new products.

Enterprise Storage Networks:

- Remotely connect a back-up disk after a failure for disk backup.
- Connect disk and host to the MCC, and for maximum security patch them together only when being used to read/write.

Ordering Information

Model	Description	Protocol	Connector	Typical Power Consumption (mW)	Voltage (V)	Temp Range (C)
SFP-SATA-SAS-HT	SFP SATA/SAS Host Side Module	SATA/SAS	SATA Plug	600	3.3	0 to 65
SFP-SATA-SAS-DR	SFP SATA/SAS Drive Side Module	SATA/SAS	SATA Plug	600	3.3	0 to 65

Source: Product Datasheet from MRV Manufacturer

About Cell Technology

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