

VSC7192

VITESSE

VSC7192 - 12-Port Fibre Channel Switch



FEATURES:

- ▶ Fibre Channel Arbitrated Loop Operation at 1.0625Gb/s and 2.125Gb/s
- ▶ Contains 12x12 Non-blocking Switch Using InSpeed™ Technology
- ▶ Aggregate Bandwidth of 2400MB/s Maximum
- ▶ Per-Port SerDes and Loop Port State Machine
- ▶ Supports up to 12 Dynamically Configured, Isolated Zones
- ▶ I²C Interface for Configuration/Status Access
- ▶ Multiple Switch Cascading
- ▶ Intelligent Device Insertion/Bypassing
- ▶ Advanced Per-Port Diagnostics and Fault Isolation Including Intermittent Error Capture
- ▶ Retiming Architecture Ensures Jitter Compliance and Worry-free Cascading
- ▶ Seamless Interface to the VSC120 Enclosure Management Controller

SPECIFICATIONS:

- ▶ 12 Ports Compliant to FC-PH, FC-PI
- ▶ Fibre Channel Arbitrated Loop Operation Compliant to FC-AL and FC-AL-2
- ▶ 106MHz TTL Reference Clock
- ▶ Selectable Termination/Swing/Equalization
- ▶ 3.3V/2.5V Power Supply
- ▶ 9.5W Max. Power Dissipation
- ▶ 528-Pin, 40mm Enhanced Plastic BGA

APPLICATIONS:

- ▶ SBOD Arrays
- ▶ JBOD Arrays
- ▶ Embedded Switches
- ▶ RAID Subsystems

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GENERAL DESCRIPTION:

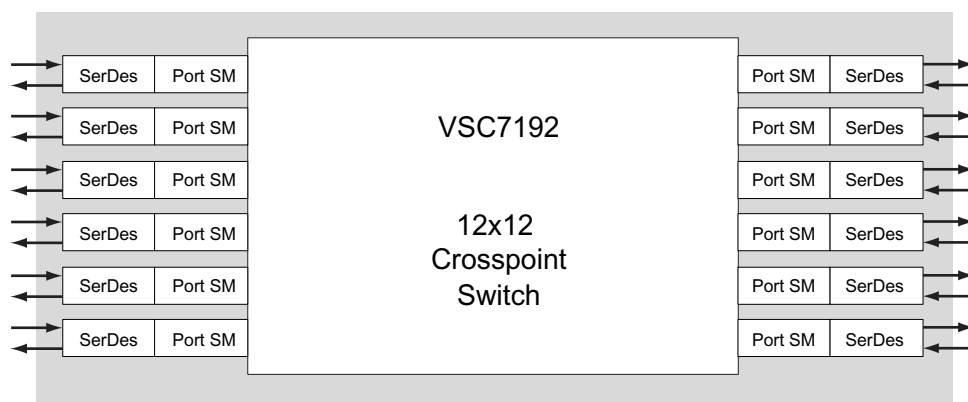


The VSC7192 is a 12 port, FC-AL Loop Switch which provides up to 2400MB/s aggregate duplex bandwidth. This non-blocking, bufferless switch is optimized for the Fibre Channel Arbitrated Loop environment and takes advantage of this protocol's simplicity to reduce cost and complexity in the switch. When paired with the VSC120 Enclosure Management Controller and its associated firmware, the VSC7192/VSC120 chipset provides high performance, advanced diagnostic, best-in-class fault isolation and high availability for storage sub-systems used in Storage Area Networks.

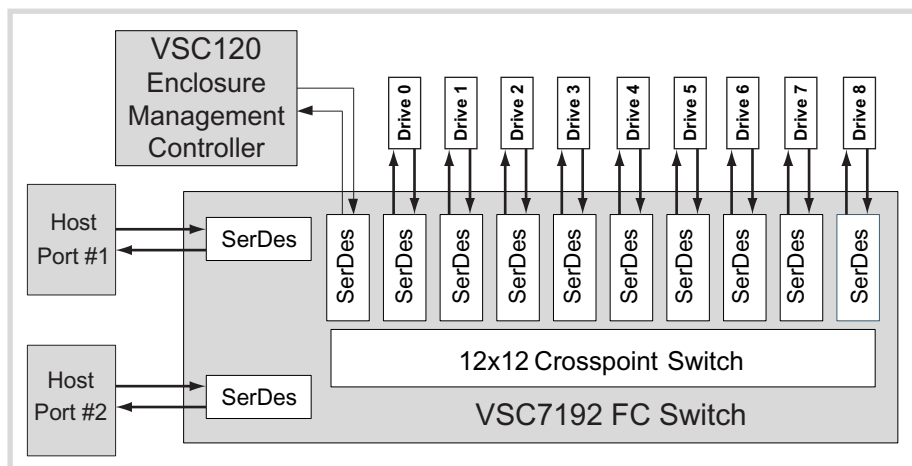
Up to 125 devices can be attached to the VSC7192 Loop Switch at 1.0625 or 2.125Gb/s. Groups of devices may be "Zoned" together to provide isolation, security, performance and LIP isolation between zones. The VSC120 may be a "shared" member of each zone.

The flexibility of the VSC7192 makes it the ideal solution for many embedded switch applications especially JBOD arrays and RAID systems where flexibility, data availability and performance are required.

SBOD APPLICATION (SWITCHED JBOD):



DISK ARRAY APPLICATION OF THE VSC7192 AND VSC120 CHIPSET:



Your Partner for Success.

For more information on Vitesse Products visit the Vitesse web site at www.vitesse.com or contact Vitesse Sales at (800) VITESSE or sales@vitesse.com

VITESSE

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