



7120 Storage Router

Highlights

- Seamless FC to SCSI protocol conversation and connectivity
- Multi-port and multi-speed solutions to match system requirements
- Industry-leading interoperability
- Indexed and auto assigned SCSI device mapping
- DHCP support for easier network administration
- Added security using Crossroads Patented Access Controls
- Web-based device management using Crossroads Visual Manager (CVM)
- Enhanced backup performance
- FC tape error recovery
- Up to eight custom user-defined maps supported

Fibre Channel Storage Bridges & Storage Routers

Overview

Crossroads Fibre Channel Storage Bridges and Routers provide seamless, reliable connectivity and protocol conversion from the Fibre Channel (FC) Storage Area Network (SAN) to tape and disk storage device interfaces. Our proven technology brings the best-of-class data accessibility, device management, system performance and security functionality required by today's enterprise SANs. Crossroads bridges and routers are an integral component of Crossroads solutions that protect critical enterprise information by delivering accessible, resilient and secure business information – anytime, anywhere.

Key Features & Benefits

FC Storage Bridges – Industry-Best Value

Crossroads Storage Bridges set the industry standard for cost-effective, reliable and easy-to-manage connectivity of SCSI storage resources to a Fibre Channel (FC) SAN fabric or loop. With Crossroads Storage Bridges, useful life of SCSI storage resources can be extended by allowing resources to be accessed in a FC SAN. Also, by aggregating device ports, bridges save on switch port expenses.

Crossroads Storage Bridges provide path readiness and network event reporting, detecting and tracking of errors affecting backup and restore operations. Configuration issues and conflicts are identified and reported, resulting in more reliable backup and recovery processes. With Crossroads Storage Bridges, configuration is simplified through multiple management interface

options, coupled with field upgradeable firmware, when combined, provide easy set-up and maintenance.

FC Storage Routers – Industry-Best Functionality

Crossroads Storage Routers expand bridge functionality, offering complete network-ready services that enhance security, management and system performance for storage devices. With Crossroads patented Access Controls, storage resources are securely allocated and shared. Users can configure, secure and manage up to eight custom device maps while dynamic mapping allows immediate changes without router reboot.

Crossroads Visual Manager (CVM) provides a powerful web-based tool used to configure, control and manage all elements of the storage routers. An intuitive graphical representation of the router allows point-and-click access for status information and management settings. CVM manages individual storage devices as an integrated system rather than a collection of stand-alone devices while supporting troubleshooting utilities such as traces and event logging.

With Crossroads Storage Routers, datapath write performance is enhanced using configurable buffered tape writes and immediate data response to remove latency created by tape devices. The router also features inquiry caching with eliminates the potential for the application to respond unfavorably to slow responses generated by INQUIRY commands.

Physical and Environmental Features

Management Features

- Crossroads Visual Manager (CVM)
 - Web Based Access*
- SNMP (FA MIB 2.2 and Private MIB)*
- 10/100 Ethernet RJ-45 Ethernet Management Port for FTP and Telnet
- 3-pin Serial Management Port for Command Line Interface (CLI) Access
- Field-Updateable Firmware
- Event and Error Logging
- DHCP Support

*Available on router only.

Environmental Features

- Operating Temperature: 0 to 50° C
- Relative Humidity: 5 to 80%, non-condensing
- AC Power: 100-240 VAC, Auto-sensing
- 50/60 Hz, 1.0 Amps
- Heat Consumption Rate: Not More Than 75 BTUs/Hour
- Safety and Emissions: FCC part 15 Class A, UL 06950 cUL, CE, VCCI, AS/NZ 3548, TUV GS, EN60825-1, RoHS

Physical Features

- FC Link and Activity LEDs
- SCSI Activity LEDs (One Per Port)
- Ethernet Link and Activity LED
- Power/Fault LED
- Internal Power Supply with Power Switch and Detachable Cable
- Airflow with Internal Fan
- Rack or Desktop Installation Method
- Width: 43.18 cm (17.0 in)
- Depth: 27.3 cm (10.75 inches)
- Height: 4.31 cm (1.7 in.) - 1U
- Weight: 4kg (9 lbs.)

Product Matrix

	7120-b BRIDGE	7120 ROUTER	6000 ROUTER
Fibre Channel Ports			
Number of FC Ports	1	1	1
Port Speed	1, 2 or up to 4 Gb/s	1, 2 or up to 4 Gb/s	1 or up to 2 Gb/s
SCSI Buses			
Number of SCSI Buses			
Bus Type	2	2	2
SCSI Bus Negotiation Type ²	LVD/SE	LVD/SE	HVD ¹
Firmware Features			
FC Tape Error Recovery	-	Yes	Yes
Device Sharing / Security Features			
Access Controls	-	Yes	Yes
User Defined Maps	-	8	8
Dynamic Mapping	-	Yes	Yes
Auto-Assigned / Indexed Maps	2	2	2
Active Initiators Supported	64	250	128
Performance Features			
Configurable Buffered Tape Writes	Max=1	Up to 10	Up to 10
Inquiry Caching	-	Yes	Yes
Extended Copy	-	-	Yes

¹HVD router provides 40 MB/s maximum sustained throughput (20 MB/s per SCSI port) using SCSI.

²SCSI Bus Negotiation Types: N=Narrow, W=Wide, F=Fast.



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ABOUT CROSSROADS

Crossroads Systems, Inc. (NASDAQ: CRDS), is a global provider of solutions and services that ensure stored data is proactively protected and reliably recovered. Crossroads offers organizations powerful data protection, proactive data security, intelligent storage connectivity, unmatched performance, and significant cost savings. Founded in 1996 and headquartered in Austin, Texas, Crossroads holds more than 100 patents granted and pending and has been honored with numerous industry awards for innovation in data protection and storage. Visit www.crossroads.com.

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