

EXHIBIT C  
TO DECLARATION OF  
BRIAN BIANCHI



(Crossroads 7120 Storage Router Shown)

### Fibre Channel Storage Bridges and Storage Routers

#### HIGHLIGHTS (BRIDGES AND ROUTERS)

- Seamless FC to SCSI Protocol Conversion 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

#### HIGHLIGHTS (ROUTERS ONLY)

- 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

### Comprehensive Product Offerings Addressing Networked Storage Accessibility, Performance and Security

#### 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 Business Information Assurance (BIA) solutions that protect critical enterprise information by delivering accessible, resilient and secure business information – anytime, anywhere.

#### Key Features and 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 FC SAN fabric or loop.

**COST-EFFECTIVE** – Useful life of SCSI storage resources can be extended by allowing them to be accessed in a FC SAN. Additionally, by aggregating device ports, Crossroads bridges save on switch port expenses.

**RELIABLE** – Path readiness and network event reporting detect and track errors affecting the backup and restore operations. Configuration issues and conflicts are identified and reported, resulting in a more reliable backup and recovery.

**SIMPLE DEPLOYMENT** – Simple configuration through multiple management interface options, coupled with field upgradeable firmware, combine to provide easy set up and maintenance.

##### FC Storage Routers – *Industry-Best Functionality*

Crossroads Storage Routers expand bridge functionality, offering complete “network-ready” services, enhancing security, manageability and system performance for storage devices.

**SECURITY** – Storage resources are securely allocated using Crossroads' patented Access Controls, a powerful resource sharing feature that controls access to storage targets from multiple hosts to the Logical Unit (LUN) level. Users can configure, secure and manage up to eight custom device maps. Additionally, dynamic mapping allows immediate changes to custom maps without router reboot.

**ENHANCED MANAGEMENT** – Crossroads Visual Manager (CVM) is a powerful Web-based management tool that configures, controls and manages all elements of the storage router. An intuitive graphical representation of the router allows “point and click” access to status information and management settings. CVM manages individual storage devices as an integrated system rather than as a collection of stand-alone devices and supports troubleshooting utilities, such as traces and event logging.

**ENHANCED PERFORMANCE** – Datapath write performance is enhanced using configurable buffered tape writes and immediate data response to remove the latency created by tape devices. The router also features inquiry caching which eliminates the potential for the application to respond unfavorably to slow responses from INQUIRY commands.

## Product Matrix

	7120-b BRIDGE	7120 ROUTER	6000-b BRIDGE	6000 ROUTER	6240-b BRIDGE	6240 ROUTER
<b>Fibre Channel Ports</b>						
Number of FC Ports	1	1	1	1	2	2
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	1 or up to 2 Gb/s	1 or up to 2 Gb/s	1 or up to 2 Gb/s
<b>SCSI Buses</b>						
Number of SCSI Buses	2	2	2	2	4	4
Bus Type	LVD/SE	LVD/SE	LVD/SE	LVD/SE or HVD <sup>1</sup>	LVD/SE	LVD/SE
SCSI Bus Negotiation Type <sup>2</sup>	N, W, F, Ultra320	N, W, F, Ultra320	N, W, F, Ultra160	N, W, F, Ultra160	N, W, F, Ultra160	N, W, F, Ultra160
<b>Firmware Features</b>						
FC Tape Error Recovery	-	Yes	-	Yes	-	Yes
<b>Device Sharing / Security Features</b>						
Access Controls	-	Yes	-	Yes	-	Yes
User Defined Maps	-	8	-	8	-	8
Dynamic Mapping	-	Yes	-	Yes	-	Yes
Auto-Assigned / Indexed Maps	2	2	2	2	2	2
Active Initiators Supported	64	250	64	128	64	128
<b>Performance Features</b>						
Configurable Buffered Tape Writes	Max=1	Up to 10	Max=1	Up to 10	Max=1	Up to 10
Inquiry Caching	-	Yes	-	Yes	-	Yes
Extended Copy	-	-	-	Yes	-	Yes

### ABOUT CROSSROADS

Crossroads is a leading provider of business information assurance solutions – keeping business-critical information secure, valid, and accessible. The explosion of electronic information has led to alarming online data security breaches and offline storage compromises. A single incident can lead to critical loss of business, damaged credibility, and significant financial penalty – up to bankruptcy or business closure. Failure to comply with information assurance regulations can result in punitive fines, lawsuits – even personal liability. Crossroads innovative technology prevents database security breaches, storage access compromises, and guarantees the integrity of stored data – protecting business-critical information proactively. Our information assurance solutions deliver regulatory compliance and business continuance – faster, better, and more cost-effectively.

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## Physical and Environmental Features

### Management Features

- Crossroads Visual Manager (CVM) – Web Based Access<sup>3</sup>
- SNMP (FA MIB 2.2 and Private MIB)<sup>3</sup>
- 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

### 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 (6000 and 6240 products only), EN60825-1, RoHS

- 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.)

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

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




3) Available on Router only.

### Physical Features

## Crossroads NearEdge Fibre Channel Storage Bridges

Crossroads Storage Bridges set the industry standard for cost effective, reliable and easy-to-manage connectivity of SCSI storage resources to a FC SAN fabric or loop.

- 1U Rack Mountable Form Factor
- Industry Leading Interoperability
- 2 Auto-assigned Indexed Maps
- Buffered Tape Writes (1 buffer enabled)
- Field Updateable Firmware
- Event and Error Logging
- DHCP Support
- Narrow, Wide and Fast SCSI Negotiation
- 64 Active Initiators Management
- 10/100 Ethernet RJ-45 Ethernet Management Port for FTP and Telnet Access
- 3-pin Serial Management Port for Command Line Interface (CLI) Access




Storage Bridge Models	Features	Benefits	MSRP	Annual Maintenance <sup>1</sup>
<b>6000-b Bridge</b> (Order Part AF81002S) 	<ul style="list-style-type: none"> <li>• 1 - 2Gb/s FC Port</li> <li>• 2 Ultra160 LVD/SE SCSI Buses</li> </ul>	<p><b>Cost Effective</b></p> <ul style="list-style-type: none"> <li>• Extend the useful life of SCSI storage resources by allowing them to be accessed in a FC SAN</li> </ul> <p><b>Port Aggregation</b></p> <ul style="list-style-type: none"> <li>• Aggregate device ports to save on switch port expenses</li> </ul> <p><b>Reliability</b></p> <ul style="list-style-type: none"> <li>• Path readiness and network event reporting detect and track errors</li> <li>• Configuration issues and conflicts are identified and reported, resulting in a more reliable backup and recovery</li> </ul> <p><b>Simple Deployment</b></p> <ul style="list-style-type: none"> <li>• 1U form factor is rack-mount or desktop installable</li> </ul> <p><b>Multiple Management Options</b></p> <ul style="list-style-type: none"> <li>• CLI or Ethernet interface options coupled with field updateable firmware combine to provide easy set up and maintenance</li> </ul>	AF81002S \$3,650	MAINT-6000-b \$730
<b>6240-b Bridge</b> (Order Part AF81010S) 	<ul style="list-style-type: none"> <li>• 2 - 2Gb/s FC Ports</li> <li>• 4 Ultra160 LVD/SE SCSI Buses</li> </ul>	<p><b>Simple Deployment</b></p> <ul style="list-style-type: none"> <li>• 1U form factor is rack-mount or desktop installable</li> </ul> <p><b>Multiple Management Options</b></p> <ul style="list-style-type: none"> <li>• CLI or Ethernet interface options coupled with field updateable firmware combine to provide easy set up and maintenance</li> </ul>	AF81010S \$5,995	MAINT-6240-b \$1,200
<b>7120-b Bridge</b> (Order Part AF81014S) 	<ul style="list-style-type: none"> <li>• 1 - 4Gb/s FC Ports</li> <li>• 2 Ultra320 LVD/SE SCSI Buses</li> </ul>	<p><b>Multiple Management Options</b></p> <ul style="list-style-type: none"> <li>• CLI or Ethernet interface options coupled with field updateable firmware combine to provide easy set up and maintenance</li> </ul>	AF81014S \$4,150	MAINT-7120-b \$830

**1) Annual maintenance coverage MUST be sold with each product.**

### Crossroads NearEdge Fibre Channel Storage Routers

Crossroads Storage Routers expand bridge functionality, offering complete “network-ready” services, enhancing security, manageability and system performance for storage devices.



- 1U Rack Mountable Form Factor
- Industry Leading Interoperability
- 2 Auto-assigned Indexed Maps
- Buffered Tape Writes (1 buffer enabled)
- Field Updateable Firmware
- Event and Error Logging
- DHCP Support
- Narrow, Wide and Fast SCSI Negotiation
- 64 Active Initiators
- Management
- 10/100 Ethernet RJ-45 Ethernet Management Port for FTP, Telnet and Web Browser Access
- 3-pin Serial Management Port for Command Line Interface (CLI) Access

Storage Router Models	Features	Benefits	MSRP	Annual Maintenance <sup>1</sup>
<b>6000LVD Router</b> (Order Part AF81000S) <b>6000HVD Router</b> (Order Part AF81004S) 	<ul style="list-style-type: none"> <li>• 1 - 2Gb/s FC Ports</li> <li>• 2 Ultra160 LVD/SE SCSI Buses</li> <li>• 128 Active Initiators</li> <li>• Extended Copy</li> </ul>	<p><b>Security</b></p> <ul style="list-style-type: none"> <li>• Securely allocate storage resources using Crossroads patented Access Controls, a powerful resource sharing feature that controls access to storage targets from multiple hosts to the Logical Unit (LUN) level</li> <li>• Configure, secure and manage up to eight custom device maps</li> <li>• Change custom maps without router reboot (Dynamic Mapping)</li> </ul> <p><b>Enhanced Management</b></p> <ul style="list-style-type: none"> <li>• Configure, control and manage all elements of the storage router using Crossroads Visual Manager (CVM) Web-based management tool</li> <li>• Intuitive graphical representation allows “Point and Click” access to status information and management settings</li> <li>• Manage individual storage devices as an integrated system rather than as a collection of stand-alone devices and supports troubleshooting utilities, such as traces and event logging</li> </ul> <p><b>Enhanced Performance</b></p> <ul style="list-style-type: none"> <li>• Enhance datapath write performance using configurable, buffered tape writes and immediate data response to remove the latency created by tape devices</li> <li>• Inquiry caching eliminates the potential for the application to respond unfavorably to slow responses from INQUIRY commands</li> </ul>	(LVD) AF81000S \$5,100  (HVD) AF81004S \$6,850	(LVD) MAINT-6000LVD \$1,020  (HVD) MAINT-6000HVD \$1,370
<b>6240 Router</b> (Order Part AF81008S) 	<ul style="list-style-type: none"> <li>• 2 - 2Gb/s FC Ports</li> <li>• 4 Ultra160 LVD/SE SCSI Buses</li> <li>• 128 Active Initiators</li> <li>• Extended Copy</li> </ul>		AF81008S \$7,445	MAINT-6240 \$1,490
<b>7120 Router</b> (Order Part AF81012S) 	<ul style="list-style-type: none"> <li>• 1 - 4 Gb/s FC Ports</li> <li>• 2 Ultra320 LVD/SE SCSI Buses</li> <li>• 250 Active Initiators</li> </ul>		AF81012S \$5,600	MAINT-7120 \$1,120

1) Annual maintenance coverage **MUST** be sold with each product.

### Crossroads NearEdge 6220i Storage Bridge and Router



Crossroads iSCSI Storage Bridge and Storage Router products make it easy to build simple, cost-effective Storage Area Networks (SANs) using iSCSI (Ethernet) technology to connect network hosts to storage target devices. Crossroads iSCSI products easily connect to Ethernet infrastructures to deliver all the advantages of data accessibility, device management, system performance and security requirements afforded by more expensive and complex Fibre Channel (FC) SANs.

Storage Bridge and Router Models	Features	Benefits	MSRP	Annual Maintenance <sup>1</sup>
<b>NearEdge 6220i-b Storage Bridge</b> (Order Part AF81018S) 	<ul style="list-style-type: none"> <li>• 2 iSCSI Ports; Up to 1 GbE Port Speed</li> <li>• 2 Ultra160 LVD/SE SCSI Buses</li> <li>• SCSI-2 and SCSI-3 Protocols</li> <li>• iSCSI Tape Error Recovery Level 0</li> <li>• 2 Auto-assigned Indexed Maps</li> <li>• Command Line Interface (CLI) Management</li> </ul>	<p><b>Cost-Effective</b></p> <ul style="list-style-type: none"> <li>• Inexpensive Ethernet technology</li> <li>• DAS becomes shared storage resources</li> </ul> <p><b>Simple Deployment</b></p> <ul style="list-style-type: none"> <li>• Installs in existing Ethernet infrastructures</li> <li>• Overcomes SCSI distance limitations</li> </ul> <p><b>High Performance</b></p> <ul style="list-style-type: none"> <li>• Hardware-assisted TCP and iSCSI protocol offloads achieve connectivity speeds up to 1 Gb/s per network port</li> <li>• Fast tape reads and writes handle larger data sets and complete back up and restore tasks within a smaller time frame</li> </ul>	AF81018S \$3,995	MAINT-6220i-b \$800
<b>NearEdge 6220i Storage Router</b> (Order Part AF81016S) 	<ul style="list-style-type: none"> <li>• 2 iSCSI Ports; Up to 1 GbE Port Speed</li> <li>• Two Ultra 160 LVD/SE SCSI Buses</li> <li>• SCSI-2 and SCSI-3 Protocols</li> <li>• iSCSI Tape Error Recovery Level 0</li> <li>• Access Controls</li> <li>• Eight user defined maps</li> <li>• Dynamic Mapping</li> <li>• Two auto-assigned indexed maps</li> <li>• 16 Active Initiators</li> <li>• Configurable buffered tape writes</li> <li>• Inquiry Caching</li> <li>• Crossroads Visual Manager (CVM)</li> </ul>	<p><b>Expands on Bridge Functionality to Include:</b></p> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>• Securely allocate storage resources using Crossroads patented Access Controls, a powerful resource sharing feature that controls access to storage targets from multiple hosts to the Logical Unit (LUN) level</li> <li>• Controls access from multiple hosts to the specific element</li> <li>• Configure, secure and manage up to eight custom device maps</li> <li>• Change custom maps without router reboot (Dynamic Mapping)</li> </ul> <p><b>Enhanced Management</b></p> <ul style="list-style-type: none"> <li>• Configure, control and manage all elements of the storage router using Crossroads Visual Manager (CVM) Web-based management tool</li> <li>• Intuitive graphical representation allows "Point and Click" access to status information and management settings</li> <li>• Manage individual storage devices as an integrated system rather than as a collection of stand-alone devices and supports troubleshooting utilities, such as traces and event logging</li> </ul> <p><b>Enhanced Performance</b></p> <ul style="list-style-type: none"> <li>• Configurable buffered tape writes and immediate data response remove data write latency</li> <li>• Inquiry caching eliminates unfavorable application responses</li> </ul>	AF81016S \$5,445	MAINT-6220i \$1,090

**1) Annual maintenance coverage MUST be sold with each product.**


### Crossroads NearEdge Storage Controllers

Crossroads 924p and 924e Storage Controllers bring intelligent storage networking capabilities to enterprise tape libraries. The 924p allows valuable tape libraries to be shared across the enterprise. The 924e converts direct-connect library resources into network-aware, secure, scalable and sharable storage for multiple host resources.

Storage Controller Models	Features	Benefits	MSRP P/N and Price	Annual Maintenance <sup>1</sup>
<p><b>NearEdge 924p Storage Controller</b> (Order Part AF81022S)</p> 	<ul style="list-style-type: none"> <li>• 1 Network Port</li> <li>• 1 Library Port</li> <li>• Up to 2 Gb/s FC Port Speed</li> <li>• FC Arbitrated Loop (FC-AL) and Switched Fabric (FC-SW) Topology</li> <li>• Advance Library Partitioning</li> <li>• Access Controls</li> <li>• Crossroads Visual Manager (CVM)</li> <li>• Library Browser</li> <li>• 2,4 or 6 Partitions Supported</li> <li>• 2 Default Library Partitions</li> </ul>	<p><b>Resource Sharing</b></p> <ul style="list-style-type: none"> <li>• Partition physical libraries into multiple logical libraries</li> <li>• Greater ROI for enterprise library assets</li> </ul> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>• Securely manage slots, drives and import/export elements for each partition</li> <li>• Controls access from multiple hosts to the specific element</li> </ul> <p><b>Slot Management</b></p> <ul style="list-style-type: none"> <li>• Slot assignment and management across library partitions</li> </ul> <p><b>Library Browser</b></p> <ul style="list-style-type: none"> <li>• Utility for graphical display and control of library resources</li> </ul> <p><b>Scalable</b></p> <ul style="list-style-type: none"> <li>• Scalable from 2 to 6 partitions</li> </ul>	<p>AF81022S \$4,900</p>	<p>MAINT-924p \$980</p>
<p><b>NearEdge 924e Storage Controller</b> (Order Part AF81020S)</p> 	<ul style="list-style-type: none"> <li>• 2 Network Ports</li> <li>• 4 Device Ports</li> <li>• Up to 2 Gb/s FC Port Speed</li> <li>• FC Arbitrated Loop (FC-AL) and Switched Fabric (FC-SW) Topology</li> <li>• Storage Routing Capability</li> <li>• Access Controls</li> <li>• 128 Active Initiators</li> <li>• Crossroads Visual Manager (CVM)</li> <li>• Optional Library Partitioning Capability</li> </ul>	<p><b>Security</b></p> <ul style="list-style-type: none"> <li>• Securely allocate storage resources using Crossroads patented Access Controls, a powerful resource sharing feature that controls access to storage targets from multiple hosts to the Logical Unit (LUN) level</li> <li>• Configure, secure and manage up to eight custom device maps</li> <li>• Change custom maps without router reboot (Dynamic Mapping)</li> </ul> <p><b>Enhanced Management</b></p> <ul style="list-style-type: none"> <li>• Configure, control and manage all elements of the storage controller using Crossroads Visual Manager (CVM) Web-based management tool</li> <li>• Intuitive graphical representation allows "Point and Click" access to status information and management settings</li> </ul> <p><b>Enhanced Performance</b></p> <ul style="list-style-type: none"> <li>• Configurable buffered tape writes and immediate data response remove data write latency</li> <li>• Inquiry caching eliminates unfavorable application responses</li> </ul> <p><b>Port Aggregation</b></p> <ul style="list-style-type: none"> <li>• Reduces the number of switch ports required to connect a library's FC drives</li> </ul> <p><b>Optional Library Partitioning</b></p> <ul style="list-style-type: none"> <li>• Partition physical libraries into multiple logical libraries</li> <li>• Greater ROI for enterprise library assets</li> </ul>	<p>AF81020S \$5,990</p>	<p>MAINT-924e \$1,200</p>
<p><b>NearEdge 924-2 Partition Licenses</b> (Order Part SL00007)</p>	<ul style="list-style-type: none"> <li>• License for 2 Additional Partitions (up to six total)</li> </ul>	<ul style="list-style-type: none"> <li>• Optimal partitioning is enabled by license keys that provide 2,4 and 6 partitions</li> </ul>	<p>SL00007 \$1,550</p>	<p>MAINT-924-Add PL \$310</p>

### Crossroads NearEdge ServerAttach SA20

ServerAttach™ SA20 quickly enables your new or existing SCSI-based servers to access Fibre Channel (FC) storage. Implementation is simple because, with the SA20, there is no need to upgrade servers, change HBA hardware, update software drivers or make kernel modifications.

ServerAttach Models	Features	Benefits	MSRP P/N and Price	Annual Maintenance <sup>1</sup>
<p><b>NearEdge SA20 LVD</b> (Order Part AF81027S)</p> <p><b>NearEdge SA20 HVD</b> (Order Part AF81025S)</p> 	<ul style="list-style-type: none"> <li>• 1 - 2 Gb/s FC Port</li> <li>• 2 Auto-negotiating SCSI Ports</li> <li>• FC Arbitrated Loop (FC-AL) or Switched Fabric (FC-SW) Topology</li> <li>• Private Loop Direct Attach (PLDA)</li> <li>• Supports Proprietary SCSI Commands</li> <li>• SCSI-2 and SCSI-3 Protocols</li> <li>• Up to 160 Mb/s (LVD), Up to 40 Mb/s (HVD)</li> <li>• Connection of 1 server/SCSI bus</li> <li>• CSM HTTP (GUI) Management</li> <li>• For Midrange Server Connectivity (IBM iSeries and PSeries, HP 9000, e3000 and Alpha Servers)</li> </ul>	<p><b>Simple Deployment</b></p> <ul style="list-style-type: none"> <li>• No server downtime</li> <li>• GUI interface shortens installation process</li> </ul> <p><b>Cost Effective</b></p> <ul style="list-style-type: none"> <li>• No costly upgrades to operating systems and applications</li> <li>• Enables SCSI servers to access Fiber Channel storage</li> <li>• Connects up to 2 SCSI servers at once to FC tape and disk sub-systems</li> </ul> <p><b>Enhanced Performance</b></p> <ul style="list-style-type: none"> <li>• LVD model achieves up to 160 MB/s</li> <li>• Access to SAN resources can be shared by multiple hosts, avoiding conflicts with storage devices</li> </ul> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>• Securely allocate storage resources using Access Controls</li> <li>• Centralizes and improves access to storage resources</li> <li>• Allows direct control over each host-specific access down to the logical unit (LUN) level</li> </ul>	<p>(LVD) AF81027S</p> <p>(HVD) AF81025S</p> <p>\$6,850</p>	<p>(LVD) MAINT- SA20LVD</p> <p>(HVD) MAINT- SA20HVD</p> <p>\$1,370</p>

**1) Annual maintenance coverage MUST be sold with each product.**



## Fibre Channel Storage Bridges & Storage Routers

### 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

### 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.



**7120 Storage Router**

## 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

### Environmental Features

- Operating Temperature: 0 to 50<sup>o</sup> 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

\*Available on router only.



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### ABOUT CROSSROADS

Headquartered in Austin, Texas, Crossroads Systems delivers flexible solutions to connect, protect, secure and restore business-critical “data-at-rest.” Crossroads (symbol: CRDS) is currently traded on Pink Sheets and also posts its financial disclosure reports, press releases and other related documentation on the OTCIQ web service of the Pink Sheets website. For more information, please visit [www.crossroads.com](http://www.crossroads.com).



Crossroads promotes institutional and personal environmental responsibility within the company, with our partners and with the users of our products. We are committed to providing the best products and services while encouraging practices consistent with sustainable living and resource conservation.

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BR\_DS\_031209

## Product Matrix

	7120-b BRIDGE	7120 ROUTER	6000-b BRIDGE	6000 ROUTER	6240-b BRIDGE	6240 ROUTER
<b>Fibre Channel Ports</b>						
Number of FC Ports	1	1	1	1	2	2
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	1 or up to 2 Gb/s	1 or up to 2 Gb/s	1 or up to 2 Gb/s
<b>SCSI Buses</b>						
Number of SCSI Buses	2	2	2	2	4	4
Bus Type	LVD/SE	LVD/SE	LVD/SE	LVD/SE or HVD <sup>1</sup>	LVD/SE	LVD/SE
SCSI Bus Negotiation Type <sup>2</sup>	N, W, F, Ultra320	N, W, F, Ultra320	N, W, F, Ultra160	N, W, F, Ultra160	N, W, F, Ultra160	N, W, F, Ultra160
<b>Firmware Features</b>						
FC Tape Error Recovery	-	Yes	-	Yes	-	Yes
<b>Device Sharing /Security Features</b>						
Access Controls	-	Yes	-	Yes	-	Yes
User Defined Maps	-	8	-	8	-	8
Dynamic Mapping	-	Yes	-	Yes	-	Yes
Auto-Assigned /Indexed Maps	2	2	2	2	2	2
Active Initiators Supported	64	250	64	128	64	128
<b>Performance Features</b>						
Configurable Buffered Tape Writes	Max=1	Up to 10	Max=1	Up to 10	Max=1	Up to 10
Inquiry Caching	-	Yes	-	Yes	-	Yes
Extended Copy	-	-	-	Yes	-	Yes

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

<sup>2</sup> SCSI Bus Negotiation Types: N=Narrow, W=Wide, F=Fast.

### 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.)