HP StorageWorks IP Storage Router 2122-2

The HP StorageWorks IP Storage Router 2122-2 provides added flexibility for small to medium-sized businesses (SMBs) and enterprise workgroups to migrate servers from a direct-attached storage (DAS) to a storage area network (SAN) environment. This second generation HP Internet Protocal (IP) storage router enables highly effective consolidation and utilization of storage assets for higher returns on investment.

With simultaneous support for Internet SCSI (iSCSI) and Fibre Channel over IP (FCIP) for SAN extension, the IP Storage Router 2122-2 is a very flexible infrastructure product that enables companies to pursue the smooth integration of IP and Fibre Channel (FC) environments to access storage across local, metropolitan and wide area networks (LANs, MANs and WANs). The iSCSI bridging functionality brings enterprise class storage resources to servers in the IP network that may not have the business case for Fibre Channel based solutions. And, the new FCIP support provides the ability to extend the SAN infra-structure over distances across MANs and WANs, and is fully integrated with HP StorageWorks Continuous Access software for disaster recovery and business continuity.

What's new
- Supports FCIP for SAN extension

- Features full integration with HP StorageWorks Continuous Access software for disaster recovery and business continuity for B-series (Brocade) and M-series (McData) based SANs

Key features and benefits
- *Flexible:* The IP Storage Router 2122-2 is an extremely flexible product allowing SMBs and enterprise workgroups highly effective consolidation and utilization of storage assets for higher returns on investment

- *Extensible SANs:* With the new FCIP support for SAN extension, customers have access to a cost effective infrastructure fully qualified with HP's StorageWorks Continuous Access software

- *Efficient integration of IP and FC infrastructures:* With support for both iSCSI and FCIP customers have:

  – A way to access storage across an IP network as though it is locally attached

  – Ability to share SAN resources across an IP network

  – A cost effective storage connectivity for non-critical and remote servers in IP networks

  – Higher utilization of IP resources

  – Ability to provide the efficiencies of block access to enterprise applications with no additional changes

  – A cost effective way to extend SANs over distances that is fully integrated with HP StorageWorks Continuous Access software

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Technical specifications

Protocol support	iSCSI 1.0, FCIP
O/S support	Microsoft® Windows® 2000 and 2003, Red Hat, Linux, and HP-UX
Dimensions (HxWxD)	Rack 1.75 x 17.375 x 16 in. (4.5 cm x 44 cm x 41 cm)
Weight	Rack unit weight 11.2 lb, Shipping weight 16.5 lb
LED indicators (on front panel)	Three LED's. Red = Failed, Status = Green, Power = Green
Input requirements	Nominal Line Voltage: 5.0 V DC Range Line Voltage: 1.8 V DC to 12.0 V DC Line Frequency: 50 to 60 Hz Typical Input Current: 2.8A
Interface	2 Ethernet port, 2 FC ports
Power	Operating Voltage: 100 to 120 VAC, 50 to 60 Hz auto sensing, 200 to 240 VAC, 50 to 60 Hz auto sensing Power source loading: 1.0 amps maximum at 100 to 120 VAC, 0.5 amps maximum at 200 to 240 VAC
Reliability	Vibration: IEC 68-2 compliant; Shock: IEC 68-2 compliant
Relative humidity (non-condensing)	Operating: 15 to 80%; Shipping: 5 to 90%
Temperature range	Operating: 23° to 113° F (-5° to 45° C); Shipping: -13° to 158° F (-25° to 70° C)
Altitude	Operating: 0 to 9,843 ft (0 to 3000 m); Shipping: 0 to 15,000 ft (0 to 4570 m)
Safety	UL 1650 (US); CSA C22.2 No.60950 (Canada); EN 60950 (EU); IEC 60950 (International); AS/NZS 3260, TS001: (Australia and New Zealand)

Ordering information

Product number/SKU	Product name	Description
350074-B21	IP Storage Router 2122-2	iSCSI to Fibre Channel Bridge (Two 1-GigE Ports x Two 2-Gigabit FC ports), new FCIP support fully qualified with CA solutions

Options

300834-B21	300m Optical Transceiver Kit	Short wave optical transceiver (Note – Minimum requirement is two optical transceivers, however four is recommended)

What's included	Fibre Channel Bridge (Two 1-GigE Ports x Two 2-Gigabit FC ports); CD kit with electronic documents
Warranty and support	One-year on-site parts and labor, next business day for parts and on-site support. Hardware product installation is not included in the warranty, but is available and highly recommended. The basic hardware warranty service can be enhanced and/or HP Installation service can be purchased. Support options with various response time and durations are available, including: warranty upgrade to three-year on-site labor and parts; various support response times (same/next day, 24x7); various support coverage periods (M - F, 24x7, 1-year, 3-year) HP can provide whatever portion of the entire lifecycle range of networked storage solution services you may require to meet your business needs. This includes SAN/NAS/DAS planning, design, installation, integration, and deployment/implementation. For more information on these and other service options, please contact any of our worldwide sales offices or visit our web site at: www.hp.com/hps/support
For more information	For more information on HP StorageWorks hubs and switches, contact any of our worldwide sales offices or visit our web site at: www.hp.com/go/san

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