

Rancho SysTech Inc

9155 Archibald Avenue, Ste 904
Rancho Cucamonga, CA 91730
909-987-3966 Fax 909-989-2365
www.rancho.com

iSCSI to Serial Attached SCSI Bridge



Overview

The RSI-iSCSISAS-R iSCSI to SAS Bridge is a high performance protocol bridge for connecting SAS enabled peripherals such as Disks, Tape Drives, Tape Libraries and Optical devices to IPStorage Networks using the iSCSI protocol.

The RSI-iSCSISAS-R is housed in an industry standard 1U 19" rack mount enclosure with integral power supplies and cooling. Connectivity to the IP Network is via 2 auto-sensing 1Gb Ethernet ports that can detect the network connection speed and to the SAS peripheral devices via the 8 3Gb SAS ports.

Managing and installing the RSI-iSCSISAS-R could not be easier with its inbuilt intuitive GUI that is easy to use and provides the user with on screen help where necessary.

Product Features

Ethernet Ports

Connection 2 x 1Gbe RJ45
Speed Auto-sensing 10/100/1000Mb/s
Error Recovery ERL0, ERL1, ERL2
Maximum Packet Size 16Kb
Maximum Initiators 16,000
Standards IPv4, iSCSI, iSNS, CHAP, DHCP

SAS Ports

Connection 8x 3Gb, 2 x 4 way Mini-SAS

Visual Indicators

Power Network Activity
Link Present Network Speed
SAS Activity SAS Link

Physical

Enclosure Form Factor 19 " 1U Rack Mount
Dimensions L 179 mm: W 437mm: H 44 mm
Operational Temperature 0 to 40°C
Non-Operational Temperature -20° to 60°
Power Consumption: 110-230Vac: 25-Watts approx
2 x 1Gb Ethernet Ports
8 x 3Gb SAS Ports
Up to 16,000 Initiators
Non-Blocking Cache
Low Power Design
Error Recovery Level 2
iSNS
CHAP
Jumbo Packet Support
Multipath I/O
GUI Interface

*MPIO – Multipath Input-Output

Key Advantages

Performance The RSI-iSCSISAS-R has many unique features to maximize performance and ensure your data is transferred to the peripheral devices in the shortest possible time. With its load balancing MPIO* enabled Ethernet ports combined with its unique non-blocking data cache module, the RSI-iSCSISAS-R provides up to 200MB/s sustained throughput.

Recoverability Ensuring that your data reaches its final destination is important these days with tight backup windows. With Error Recovery Level 2 support, the RSI-iSCSISAS-R can continue to receive data even if one of the Ethernet connections is disconnected.

Easy of Use With every increasing pressure on IT staff, there is less time to spend on learning and managing new products and therefore, it is critical that new products are intuitive and easy to use. RSI works closely with its customers to ensure this is always the case.

Environmental The RSI-iSCSISAS-R uses the latest power supply technologies with typical efficiencies of 95%, which minimize electrical power consumption and heat output.

