Oresund series

Datasheet: EFC402200 40Gb iSCSI to Fibre Channel Gateway
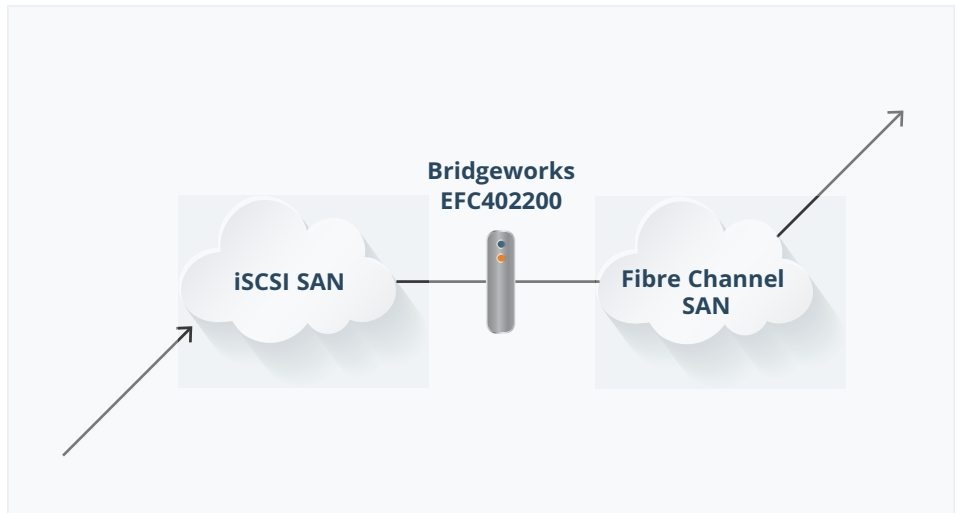
Overview

The EFC402200 40Gb iSCSI to Fibre Channel Gateway is a high performance protocol gateway for connecting iSCSI based Servers to Fibre Channel enabled peripherals such as Disks, Tape Drives, Tape Libraries and Optical devices.

The EFC402200 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 autosensing 40Gb Ethernet ports, whilst the Fibre Channel Network is connected via 2 16Gb auto-sensing ports.

Managing and installing the EFC402200 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

- 2 × 40Gb Ethernet Ports
- 2 × 16Gb Fibre Channel Ports
- Up to 16,000 Initiators
- Non-Blocking Cache
- Error Recovery Level 2
- iSNS
- Jumbo Packet Support
- Multipath I/O
- GUI Interface

Bridgeworks EFC402200

iSCSI SAN

Fibre Channel SAN

Key Advantages

Total Flexibility The need to have separate peripherals for both iSCSI and Fibre Channels SANs no longer applies when deploying the EFC402200. With the EFC402200, any Fibre Channel device can be accessed from the iSCSI SAN appearing as though it was part of the iSCSI SAN.

Performance The EFC402200 has many unique features to maximise performance and ensure your data is transferred to the peripheral devices in the shortest possible time. With its load balancing MPIO* enabled Ethernet ports and two 16Gb Fibre Channel ports in combination with its unique non-blocking data cache module the EFC402200 provides industry leading performance.

Recoverability Ensuring that your data reaches its final destination is important these days with tight backup windows. With Error Recovery Level 2 support, the EFC402200 can continue to receive data even if one of the Ethernet connections is disconnected.

Return on Investment Maximising the return on any investment has always been critical. By using the EFC402200 to connect existing Fibre Channel devices to the iSCSI Network not only maximises your investment but also adds a new level of functionality and flexibility.

Key Specifications*

Ethernet Ports

Connection	2 × QSFP
Speed	40Gb/s
Error Recovery	ERL0, ERL1, ERL2
Maximum Packet Size	16Kb
Maximum Initiators	16,000
Standards	IPv4, iSCSI, iSNS, CHAP, DHCP

Fibre Channel Ports

Connectivity	2 × 16Gb SFP NL_port, FL_port, N-port
Speed	auto sensing 4/8/16Gb/s
Maximum Block Size	1Mbyte
Maximum Initiators	16,000
Standards	FC-PI-4, FC-FS-2, FC-FS-2/AM1, FC-LS, FC-AL-2, FC-GS-6, FC-FLA, FC-PLDA, FC-TAPE, FC-DA, FCP through FCP-4, SBC-3, FC-SP

Visual Indicators

LED indicators for	Power
	Network Activity and Speed
	Link Present
	SCSI Activity
	Fibre Channel Link and Activity

Physical

Enclosure Form Factor	19" 1U Rack Mount
Dimensions	L 730 mm, W 434.1mm, H 42.9 mm
Operational Temperature	10 to 35°C
Non-Operational Temperature	−20° to 60°
Humidity	10 – 18% Non-condensing
Voltage Range	90-264VAC 47-63Hz
Power Consumption	350-Watts approx

*Bridgeworks reserves the right to change the specifications without notice

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simply making data flow