



McDATA Eclipse™ 1620 SAN Router



The Eclipse™ 1620 offers:

Affordability and Lower TCO

- Low entry price for mid-range markets
- Compression to lower WAN bandwidth costs
- E_Port for integration into existing multi-vendor FC fabrics

Unbeatable Flexibility

- Blended Fabric: FC, Ethernet, iSCSI and iFCP connectivity on demand
- Choice of Fast Ethernet or Gigabit Ethernet in the same box
- Support for full fabric, private and public loop FC devices

Superior Functionality

- Fast Write for maximizing throughput across long distances
- Quality of Service (QoS): Bandwidth Management

AN AFFORDABLE SAN ROUTING SOLUTION

The McDATA Eclipse™ 1620 is a SAN router with unprecedented functionality and cost-effectiveness. The Eclipse 1620 is part of McDATA's family of robust storage networking products that use standards-based IP, Gigabit Ethernet (GE) and Fibre Channel (FC) for wire-speed storage fabric connectivity.

With support for standard protocols such as iSCSI, iFCP and E_Port, the Eclipse 1620 can connect to IP backbones, Fibre Channel (FC) fabrics and a wide variety of end systems, including Fibre Channel, NAS and iSCSI initiators. The Eclipse 1620 can be deployed for multiple concurrent applications, including business continuance/disaster recovery, storage consolidation, remote tape vaulting, content distribution and iSCSI access to FC storage.

For disaster recovery, the backup site can be geographically dispersed without distance limitations, thanks to McDATA's patent-pending Fast Write technology, which can sustain wire-speed throughput in spite of the high link latency. The same ports on the Eclipse™ 1620 can concurrently support iSCSI access to FC storage for customers looking to connect remote servers into the data center.

The highly reliable and manageable storage fabric extends seamlessly from the data center to the metro area and beyond. McDATA's products are fully compatible with the millions of IP-based LAN, MAN and WAN routers and switches already installed and mastered by IT professionals. McDATA's SAN routers are qualified with all major storage platforms, including EMC, HDS, HP, IBM, XIOTech, Sun, StorageTek and LSI Logic.

MODEL DESCRIPTION

Eclipse™ 1620 SAN router with two 1G Fibre Channel ports and two intelligent ports; Intelligent ports provide TCP/IP support for connecting to IP campus or WAN backbones

100-TW-EL-S: 33m over shielded twisted pair (1Gb FC)
 RJ-45: Supported on 1620 TCP/IP uplinks
 100Base-T: 100m over shielded twisted-pair

POWER REQUIREMENTS

U.S./Japan: nominal 100/120 VAC, 50 to 60 Hz
 Europe/Australia: nominal 220/240 VAC, 50 to 60 Hz

Maximum input current: 1.8Aac

PROTOCOL SUPPORT

Ethernet: Full duplex IEEE 802.3 Gigabit Ethernet (1,000 Mb/s each direction) or Fast Ethernet (100 Mb/s each direction) standard on each port; 802.3x symmetric flow control

Internet Protocol (IP):

TCP

Fibre Channel:

FC-AL, FC-AL-2, FC-FLA, FC-GS-2, FC-GS-3, FC-FG, FC-PH, FC-PH-2, FC-PH-3, FCPLDA, FC-SW, FC-SW-2, FCP, and E_Port

IP Storage Protocol: iSCSI, iFCP, iSNS

QoS:

Rate Limiting, Bandwidth Management

Performance:

Wire-rate performance on all ports; exclusive Fast Write technology for improved write performance over long distances; support for Jumbo Frames; support for compression

LED INDICATORS

CPU heartbeat, GE/FC/100Base-T link, port activity, port fault, 10/100 Ethernet management port

MANAGEMENT

SANvergence®

Manager:

Centralized Java-based Graphical User Interface (GUI) for network-wide management such as zoning, E_Port configuration, iSCSI LUN virtualization and device discovery for all SANs in the enterprise.

Element

Manager

Web-based Java applet for configuring, monitoring and troubleshooting individual Eclipse switches

Management

Interface:

Out-of-band 10/100 Ethernet management port
 Standard SNMP
 Fibre Alliance MIB v3.0, MIB-II, RMON groups 1 (statistics), 2 (history), 3 (alarms), and 9 (events), McDATA MIBs
 Full Command Line Interface (CLI) via Telnet and/or console port

POWER CONSUMPTION

Redundant Dual output power supplies, 125 watts maximum power each.

ENVIRONMENTAL REQUIREMENTS

Temperature: 41° to 104° F (5° to 40°C)

Humidity: 20% to 85% non-condensing

SIZE AND WEIGHT

Height: 1.67 in. (42.4mm)

Width: 17.18 in. (436.4mm)

Depth: 17.82 in. (452.5mm)

Weight: 14 lb (6.35 Kg)

REGULATORY COMPLIANCE

Meets safety and emissions requirements CB, CE, ULcUL, UL AR +S, GS, GOST, NOM / NYCE, AUS/NZ, FCCA, IECS 003, MIC, VCCI, CCC, BSMI, IIL

PHYSICAL MEDIA

SFP: The GE and FC interfaces use SFP modules, which support multi-mode fiber (MMF), single-mode fiber (SMF) and copper cables.

1000Base-SX: 550m over MMF

1000Base-LX: 10Km over SMF

1000Base-ZX: 80Km over SMF

100-M5-SN-I: 550m over MMF (1Gb FC)

100-SM-LL-L: 10Km over SMF (1Gb FC)

INTERNET STORAGE NAME SERVICE (iSNS)

Directory Services for storage devices

Interoperates with existing Fibre Channel SNS

SNMP support



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