



Eclipse 1620 SAN Internetworking Switch

The McDATA 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 INTERNETWORKING SOLUTION

The Eclipse 1620 is a SAN internetworking switch with unprecedented functionality and cost-effectiveness. The Eclipse 1620 is part of McDATA's family of multi-capable 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 can connect to IP backbones, Fibre Channel (FC) fabrics and a wide variety of end systems, including Fibre Channel, NAS, and iSCSI initiators and targets. 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 also concurrently support iSCSI access to FC storage for customers looking to connect remote servers into the data center.

The highly reliable and manageable multi-capable 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 internetworking switches are qualified with all major storage platforms, including EMC, HDS, HP, IBM, XIOTech, Sun, StorageTek and LSI Logic.



Eclipse 1620 SAN Internetworking Switch



Model Description

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

Protocol Support

Ethernet: Full duplex IEEE 802.3 Gigabit Ethernet (1,000 Mbps each direction) or Fast Ethernet (100 Mbps 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

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)
100-TW-EL-S: 33m over shielded twisted pair (1Gb FC)
RJ45: Supported on 1620 TCP/IP uplinks
100Base-T: 100m over shielded twisted-pair

LED Indicators

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

Management

SANvergence® 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

Internet Storage Name Service (iSNS)

Directory Services for storage devices
Interoperates with existing Fibre Channel SNS
SNMP Support

Power Requirements

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

Power Consumption

Dual redundant power supplies and fans, each with maximum power consumption of 250 watts

Environmental Requirements

Temperature: 41° to 104° F (5° to 40°C)
Humidity: 20% to 85% non-condensing

Size and Weight

Height: 1.72 in (43.7 mm)
Width: 16.9 (429.3mm)
Depth: 18.0 in (457.2mm)
Weight: 14 lb (6.35 Kg)

Regulatory Compliance

Meets safety and emissions requirements
CE, FCC, GS, TUV, UL, VCCI

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