

Fibre Channel



J2880 4Gb/s FC Switched JBOD

- High performance and highly available 4Gb/s FC SBOD solution
- Modular storage components to optimize and scale the storage infrastructure
- Comprehensive and simple storage resource management interface
- Point-to-point drive connection
- Reduced latency
- Directly attached to a server or workstation

iQstor's J2880 SBOD is well suited to serve applications in the following environments:

- Financial services
- Life sciences and healthcare
- Manufacturing
- Telecom services
- Enterprise database
- Digital imaging
- Education
- Regulatory Compliance
- Satellite/Seismic imaging
- Internet content delivery

An easy-to-implement and easy-to-use disk expansion enclosure, iQstor's J2880 Switched JBOD (SBOD) disk expansion enclosure delivers a scalable yet reliable solution for a variety of business applications. As a modular component, the J2880 SBOD enables IT administrators to quickly and cost-effectively optimize storage solutions for changing application and network environments by using a "building block" approach. Easily connected to RAID subsystems, each J2880 SBOD scales to 6TB with 15 x 400GB FC4 disk drives or 15TB with 15 x 1TB SATA II disk drives, allowing the creation of very large tiered-storage SAN systems as needs arise. With fully redundant, hot swappable components such as disk drives, power supplies, cooling modules and Fibre Channel hubs, the J2880 ensures reliability and high availability. The J2880 supports the latest Fibre Channel 4Gb/s interconnect in switched dual loops, is backward compatible to 2Gb/s FC-AL, provides redundancy and delivers performance of up to 800MB/sec and can be configured with either FC4, FC2 or SATA II disk drives.

Advanced FC Switching

Instead of the traditional FC drive loops, the J2880 SBOD deploys an advanced FC switch technology to deliver a point-to-point switch connection between each drive and the storage controllers. This technology significantly increases total system availability, reliability and serviceability in addition to reducing system latency and improving overall performance.

Direct Attached Storage (DAS)

Direct Attached Storage enclosures with Fibre Channel interface provide dedicated storage resources for servers, NAS engines, or SAN environments. iQstor's J2880 SBOD can be directly connected to a server or a workstation, providing large storage capacity with very high performance at a low cost.

> J2880 4Gb/s FC Switched JBOD Specifications

Connectivity	
Host	Two 4Gb/s Fibre Channel SFP ports
Expansion	Two 4Gb/s Fibre Channel SFP ports
Management	
In-Band	SCSI Enclosure Services (SES)
Drive Interface	
Connectivity	Dual FC4 switched loops
Number of Disk Drives	Up to 15 x 3.5", 1" high
Drive Type	73/146/300 GB 15K rpm FC4; 300/400GB 10K rpm FC4; 146/300 10K rpm FC2; 500/750GB/1TB 7200 rpm SATA II
Maximum Capacity per Enclosure	4.5TB with 15 x 300GB FC4 drives or 15TB with 15 x 1TB SATA II drives
Power and Cooling	
AC Input	90-260 VAC, 47-63 HZ, auto-ranging, PFC
DC Output	Dual 460 watt
Cooling	Dual modules each with two blowers
Operating Environment	
Temperature	10°C to 40°C
Relative Humidity	20% to 80%
Certification	FCC/CISPR 22 Class A, UL/CUL, CE
Dimensions	
Rack Mount Unit	5.20" H x 17.58" W x 18.70" D 3U EIA high (19" rack mount)
Weight	34 kg (75 lbs)

Comprehensive SBOD Management Utility

The J2880 SBOD delivers unique and comprehensive storage management and diagnostics services to increase storage efficiencies. It provides detailed information about failed components through simplified troubleshooting and detailed event management. The J2880 SBOD supports in-band management when used with a SES-compatible RAID controller or an HBA. The iQstor SBOD Management Utility provides an intuitive graphical interface (GUI) for IT administrators to remotely access, manage, monitor and maintain multiple J2880 SBODs. The interface is written in Java and runs on a Windows server and can be accessed using a web browser. The SBOD Management Utility communicates with the J2880 via the fibre channel connection from a server. This management utility allows clients to retrieve information from and send configuration commands to the J2880.

Storage Investment Protection

The J2880 SBOD delivers significant performance improvements and is a wise selection for companies seeking to implement storage solutions that are easy to deploy, easy to manage while providing an upgrade path to enable a highly intelligent tiered-storage infrastructure with high performance FC and low cost SATA disk drives mixed in the same enclosure.