



# Fibre Channel

**Virtual Storage for Virtual Servers - Volume Manager based Virtualization consolidates storage resources and simplifies IT operations. The system is fully certified by VMware.**

**Bundled Software at No Extra Charge - includes full suite of data management and data protection software with unlimited capacity license through a simple user interface.**

**High Performance Video Storage - high bandwidth system with continuous availability for video streaming, rich media and broadcasting.**

## iQ2880T FC Storage System

### High Performance, Highly Reliable, Enterprise-Level Software

The iQ2880T is a virtualized FC SAN that delivers enterprise class data protection. It is designed to provide the storage foundation for today's virtualized data center. Through its rich software features, the iQ2880T delivers integrated data protection, virtualized server integration, exceptional performance, reduced storage management time, as well as, data center scalability and availability for business applications.

#### Enterprise Data Services

The iQ2880T integrates enterprise class data services and makes it affordable for organizations of all sizes. Powerful software helps organization to optimize capacity utilization, automate data protection and speed data recovery.

**Data Protection** – Snapshots, Remote Replication, Volume Mirrors, Multi-path I/O, Snapshot Scheduler, Snapshot Restore, Consistent Volume Group

**Storage Virtualization** – Virtual Volumes, Storage Pools, Automated Volume Expansion, Online Data Movement, Storage Tiering

**Management** – SAN Manager, System Manager, Dynamic Capacity Provisioning, Wizard Based Setup, SAN Capacity Usage Reports, Performance Monitoring, Enclosure Monitoring, Roles Based Administration, Automated Drive Power Management

**Application Integration** – Snapshot Application Agents for Exchange, SQL Server, Windows File Systems, Oracle, Microsoft VSS Providers

#### Modular Design with Enterprise Reliability

The iQ2880T virtualized storage array delivers a scalable solution for a variety of business applications. The modular expansion approach enables IT administrators to quickly and cost-effectively add only the storage they need, when they need it to prevent over-provisioning.

Designed to meet the rigors of data center operations, the iQ2880T delivers enterprise reliability and availability through fully redundant, hot swappable components such as storage controllers, power supplies, cooling modules and disk drives with hot spares. Active-active controller technology ensures continuous data availability even in the event of controller or path failures.

#### Tiered Storage Support

The iQ2880T helps organizations to save storage costs by natively supporting tiered-storage. Support for both high performance FC drives and cost effective SATA drives, allows applications and data to be matched to the appropriate tier of storage thus maximizing the investment on storage infrastructure.

#### Ease of Use

The iQ2880T virtualized storage array is designed for rapid installation, simple management and seamless capacity expansion on demand. The virtualized storage arrays are typically installed, configured and serving hosts and applications in less than one hour. A simple management GUI provides a single interface to manage the entire solution. The centralized management tool constantly performs system health checks to ensure all components are fully functional.



<b>iQ2880T FC Storage System</b>	
<b>Storage Controller</b>	Single or dual controllers per storage system
<b>Host Interface</b>	Four 4Gb Fibre Channel SFP ports
<b>Expansion Interface</b>	Four 4Gb/s Fibre Channel SFP ports
<b>Parity Accelerator</b>	Four embedded hardware accelerators
<b>Cache Memory</b>	2GB standard, 8GB maximum
<b>Cache Back Up</b>	UPS cache vaulting and/or battery backup (up to 72 hours)
<b>Enclosure Management</b>	Out-of-band through 10/100Mb/s Ethernet port
<b>Notification Methods</b>	SNMP traps, email, SMS, syslog
<b>Operating System Support</b>	Windows, Linux, VMware, Sun Solaris, Apple OS X, IBM AIX and HP-UX
<b>Management Interfaces</b>	SAN Manager network configuration and monitoring System Manager enclosure configuration and monitoring, http SNMP Serial console, telnet
<b>Standard Features</b>	System Manager (SYSM) Volume Manager Virtualization (VMV) RAID levels 0, 1, 10, 3, 5, 50, 6 On-line RAID expansion Multiple RAID sets Up to 508 LUNs Tagged Command Queuing up to 2048 Hot swap disk drives Global hot spare disks Automatic drive failure detection and rebuild Automatic reallocation of bad sectors Enterprise-level cache vaulting and active cache scrubbing
<b>Optional</b>	Managed Snapshot Services (MSS) Volume Copy Services (VCS) Remote Replication Asynchronous (RRA) Database Application Agents (DAA) SAN Manager (SANM) Dynamic Capacity Provisioning (DCP) Multipath Agent (MPA)
<b>Drive Interface</b>	
<b>Connectivity</b>	Four FC4 switched loops
<b>Drive Type</b>	300/600GB 15K rpm FC4 500/1TB/2TB 7200 rpm SATA II
<b>Maximum Capacity per Enclosure</b>	9TB with 15 x 600GB FC4 drives or 30TB with 15 x 2TB SATA II drives
<b>Maximum Capacity per Subsystem</b>	144TB with 240 x 600GB FC4 drives or 480TB with 240 x 2TB SATA II drives
<b>Power and Cooling</b>	
<b>AC Input</b>	90-260 VAC, 47-63 HZ, auto-ranging, PFC
<b>DC Output</b>	Dual 460 Watt hot-swap, redundant
<b>Cooling</b>	Dual modules each with two blowers
<b>Operating Environment</b>	
<b>Temperature</b>	10°C to 40°C
<b>Relative Humidity</b>	20% to 80%
<b>Certification</b>	FCC/CISPR 22 Class A, UL/CUL, CE, CB, BSMI
<b>Dimensions</b>	
<b>Rack Mount Unit</b>	132mm x 447mm x 475mm (5.20" x 17.58" x 18.70") (H x W x D) 3U EIA high (19" rack mount)
<b>Weight</b>	49 kg (108 lbs) fully loaded
<b>Support Services</b>	
<b>Basic</b>	Includes 3-year product warranty with 9x5 telephone support from iQstor Professional Services engineers.
<b>Optional</b>	iQ-Solution Plus - 24x7 product support, 4-hour on-site response iQ-Solution - 9x5 product support, next business day on-site response iQ-Solution Basic - 24x7 annual phone support, 4-hour response time

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