tangent
powered by FUJITSU

PowerFlex E-2000S

Award Winning Quality

Tangent PowerFlex Storage Units are winning designs that will provide your organization with years of trouble free operation.

SAN (Storage Area Network):

Model 200:

Storage Capacity*:
- Max. 120 TB

Cache Capacity:
- Max. 4 GB

No. of Controllers:
- 1 or 2

No. of Host Interfaces:
- Max. 4

Model 100:

Storage Capacity*:
- Max. 24 TB

Cache Capacity:
- Max. 2 GB

No. of Controllers:
- 1 or 2

No. of Host Interfaces:
- Max. 4

Powerful, Flexible, Energy Efficient

PowerFlex E-2000S is a cutting edge entry storage system with enterprise-class reliability. Its expandability and functionality enhance its excellent cost performance. By leveraging industry-leading technology, it meets demanding system requirements in a compact, eco-friendly design. Covering a wide spectrum from SMBs to Enterprise users, PowerFlex E-2000S offers the ideal solution to your storage requirements.

• Low power consumption and eco-friendly operation
• Easy installation with system wizard guidance
• High-performance SAS disk drives and large-capacity/low-cost Nearline SAS disk drives at SATA price point
• Wide variety of replicating, snapshot, and security function
• Single or dual controller

Industry Leading Disk Drive Technology
PowerFlex E-2000S systems support high performance 450 GB/300 GB/146 GB (15,000 rpm) and 400 GB (10,000 rpm) SAS disk drives. They also concurrently support large capacity/low cost 1 TB/750 GB/500 GB (7,200 rpm) Near line SAS disk drives, best suited for backup and data archiving.

Flexible Capacity Expansion without Business Interruption
Online expansion is possible for hard disk drives and drive enclosures. Logical Device Expansion ensures uninterrupted business operation when adding new expansion disk drives or expanding the capacity in a RAID group. In addition, dynamic LUN expansion provides flexible capacity expansion of logical volumes, letting you deal with a rapid increase in data volumes without business interruption.

Flexible Connectivity
ETERNUS2000 uses Fibre Channel (Max. 4Gbps) SAS (3Gbps) and iSCSI (Max. 1Gbps) host interfaces. Now you can build a scalable SAN (Storage Area Network) as well as connect servers and storage using low-cost LAN technology. In addition, support for UNIX, Linux, and Windows lets you flexibly select the most appropriate server connectivity for your type and size of system.

Redundant Components
Key components, including controllers, power supply units and fans are duplicated, so if a failure occurs the system continues operating and the redundant components can be hot-swapped. In addition, you can apply the latest firmware without system interruption.

RAID6 Ensures Data Availability
RAID6 support is provided to enable use of double parity disks in each RAID group. RAID6 ensures that your data stays secure even in the unlikely event two disk drives were to fail simultaneously. PowerFlex E-2000S also supports a range of RAID configurations including RAID1, RAID1+0 and RAID5, letting you select the RAID configuration best matched to system operation requirements.

Simple Setup By System Wizard
No special skill sets are required to setup PowerFlex E-2000S. Setup can be performed using a Web browser. GUI management tools enable you to set up PowerFlex E-2000S easily and simply. To create RAID groups, volumes, or to input installation settings, the system wizard provides user-friendly guidance to reduce installation time.

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PowerFlex E-2000S Storage Specifications:

	Model 100	Model 200
Form Factor	2U Rack Mount	
RAID Levels	0, 1, 1+0, 5, 6	
Raw Capacity	Up to 24TB using Nearline SAS drives	Up to 120TB using Nearline SAS drives
Number of Controllers	1 or 2	
Host Interface Type	4Gb Fibre Channel, 1Gb iSCSI, or 3Gb SAS	
Number of Host Ports	2 per Controller; Maximum of 4 Ports	
Max Cache Capacity	2GB	4GB
Drive Bays	Twelve per shelf	
Maximum Number of Drive Shelves	Two	Ten
15K SAS Hard Drive Options	146GB / 300GB / 450GB	
10K SAS Hard Drive Options	400GB	
7.2K Nearline SAS Hard Drive Options	500GB / 750GB / 1TB	
Max Number of Drives	24 Drives	120 Drives
Power Requirements	100-240V AC, Single Phase, 50/60Hz	
Maximum Power Consumption (Watts)	795W (100-120V AC) 760W (220-240V AC)	3,835W (100-120V AC) 3,640W (220-240V AC)
Maximum Heat Dissipation	2,862 (100-120V AC) 2,736 (220-240V AC)	13,806 (100-120V AC) 13,104 (220-240V AC)
Case Dimensions	2U—18.98" x 25.98" x 3.64"	
Maximum Weight	154.32 lbs.	770.93 lbs.
Limited Warranty	3-year parts and labor	

Features

AdvancedCopy

The combination of PowerFlex E-2000S AdvancedCopy feature (option) together with Advanced Copy Manager provides you with original volume replication called OPC (One Point Copy). OPC features let you create a duplicate copy of data from the original at any time of your choosing.

EC: Provides an ongoing copy function that creates duplicate data from an original data source and then keeps it up to date. The duplicated and original data are updated simultaneously to ensure both remain in sync.

OPC: Duplicates all original data. This suits multi-generation archiving since a full backup of each generation is available.

QuickOPC: Initially duplicates all original data, and then copies only the updated portions. Good for large database systems with short backup windows.

SnapOPC: Copies the original data before each update. This suits fileservers handling small data updates, as it demands less disk capacity than a full data copy.