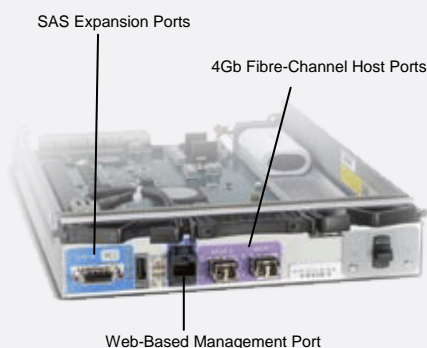


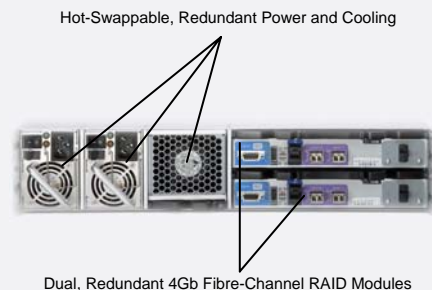


Tangent PowerFlex Storage Units are winning designs that will provide your organization with years of trouble free operation.

#### Fibre Channel Module:



#### Back View:



#### Front View:



## SAS/SATA II SAN/DAS

### Enhance Applications with Storage

IT executives require significantly improved data storage infrastructure solutions for application and database archiving, e-mail, tiered storage, virtual tape libraries, and advanced data protection solutions. Addressing regulatory requirements, legal mandates, and improving disaster recovery along with much greater data storage power and volumetric efficiency have become critical success factors.

The POWERFLEX E-1000S combines Fibre Channel connectivity with Serial Attached SCSI (SAS) and Serial ATA (SATA) drive technology for cost effective, high performance storage solutions. It combines high performance connectivity, sophisticated storage management software, flexible interface support, and highly reliable storage devices to deliver a cost-effective, ultra-high performance solution with the scalability and functionality necessary to meet the demands of today as well as tomorrow's rigorous applications environment. By leveraging the SAS full duplex, point-to-point architecture with dedicated connections, the POWERFLEX E-1000S delivers maximum data throughput, thereby providing faster, more responsive applications. In addition, the POWERFLEX E-1000S sustains maximum throughput (MB/s) for high bandwidth applications ranging from video editing to database-intensive online transaction processing.

Meanwhile, SATA-II drives in the POWERFLEX E-1000S provide the combination of high-capacity and cost-effective data storage normally found in near line storage. Using SATA disks with their low cost-per-gigabyte design, the POWERFLEX E-1000S provides a cost-effective online repository for non-business-critical data, and offers the many advantages of tiered storage to the Small and Medium Business.

#### Managing Storage From A Single Pane of Glass

All models in the Tangent® E-1000 RAID series come with Snapshot. Four snapshots are available to start implementing point-in-time recovery capabilities. An optional Snapshot upgrade allows for up to 24 snapshots per Logical Drive and up to 512 total snapshots per RAID system. StorView software configures and administers the E-1000 storage system, and distinguishes it from other entry-level systems on the market today. Automated control of individual controller's cache, arrays and devices via a web-based interface simplifies storage administration, while StorView's full-function Command Line Interface (CLI) allows integration of array management into existing operational procedures. An optional upgrade to StorView Global Manager enables configuration, monitoring and management of any E-1000 Series RAID controller from any location, anywhere on the network. The StorView software also enables access to the RAID Advanced Power Management which can be used to reduce the operational costs of the RAID storage system, while ensuring continuous availability to data.

#### Keep MISSION-CRITICAL data accessible

Tangent RAID solutions feature enterprise-class RAID functionality including RAID 6 and Snapshot, to ensure high availability, and they are highly reliable.

## PowerFlex E-1000S Specifications:

E-1000S	
Form Factor	2U Rack Mount
RAID Levels	0, 1, 5, 6, 10, and 50
Raw Capacity	Up to 27TB using SAS drives Up to 60TB using SATAII drives
Number of Controllers	1 or 2
Host Interface Type	4Gb Fibre Channel, or 3Gb SAS
Number of Host Ports	2 per Controller; Maximum of 4 Ports
Max Cache Capacity	2GB
Drive Bays	Twelve per shelf
Maximum Number of Drive Shelves	Five
15K SAS Hard Drive Options	73GB /146GB / 300GB / 450GB
7.2K SATAII Hard Drive Options	250GB /500GB / 750GB / 1TB
Max Number of Drives	60 Drives
Power Requirements	100-240V AC, Single Phase, 50/60Hz
Maximum Power Consumption (Watts)	795W (100-120V AC) 760W (220-240V AC)
Maximum Heat Dissipation	2,862 (100-120V AC) 2,736 (220-240V AC)
Case Dimensions	2U—17.49" x 21.65" x 3.46"
Maximum Weight	71.00 lbs.
Limited Warranty	3-year parts and labor

## Features

- Single (2) or Dual (4) 4Gb/s high speed Fibre Channel host connections per system
- Mix up to 60 high performance SAS and cost effective SATA-II drives
- Snapshot support for up to 512 snaps
- StorView(TM) controller based management software
- Full RAID 6 and Snapshot support
- Dual active high availability and low cost single controller configurations
- Host based dynamic multi-pathing for high availability
- Online capacity growth through dynamic array and LUN expansion
- Redundant modular design with hot-swappable components
- RAID Advanced Power Management

## RECOMMENDED UPGRADES



4 Gb Fibre Channel RAID Module



SAS Expansion Module



Additional Hard Drives (SATA II or SAS)



Emulex Fibre Channel HBA's

Notes:

## Environmental Standards



ISO 14001: 2004 Cert No. EMS91560

