

OPENstorage™ 9163 Disk Processor Enclosure

Exceeding your expectations



Smooth take off, no turbulence and nothing but clear blue skies ahead. That's the forecast with OPENstorage™ disk solutions from StorageTek™, which help your business overcome common IT obstacles that inhibit growth. Exceed your expectations with an open, high-performance environment that's ready for Storage Area Networks (SANs).

OPENstorage disk solutions combine innovative, world-class hardware and software offerings that are accompanied by proven professional services, over 30 years of information storage expertise and industry-leading open systems testing. It all adds up to Open, Intelligent and Integrated™ solutions for serious businesses.

With the OPENstorage 9163 Disk Processor Enclosure, you gain full Fibre Channel RAID protection at entry-level pricing. Gain the high availability and data integrity you need for mission-critical applications.



STORAGETEK



Entry-level

Avoid turbulence — with OPENstorage 9163

- Achieve server-independent, seamless attachment to UNIX and Windows NT hosts.
- Prepare for SANs with full Fibre Channel subsystem architecture.
- Protect your investment with upgradability and scalability.
- Maintain continuous availability through complete system redundancy.
- Enhance performance and data integrity with concurrent RAID levels.

Soar with advanced, high-performance architecture

Open, building-block architecture is the only route to investment protection, flexibility and scalability. With the OPENstorage 9163 disk subsystem, you gain the ability to attach easily to a wide variety of UNIX and Windows NT hosts. With Fibre Channel technology throughout, you achieve higher I/O performance and throughput. Extend distances between nodes, from less than 1 meter up to 45 kilometer and enable the implementation of Storage Area Networks.

Stay aloft with continuous data availability

In keeping with all StorageTek OPENstorage disk solutions, the OPENstorage 9163 delivers complete

subsystem redundancy — hot swappable drives, power supply, fanpack and storage processor. Mirrored write-back cache maintains data integrity in the event of a component failure.

Land on the flexible upgrade runway

The OPENstorage 9163 scales to meet your demanding and varying application requirements. Upgrade an OPENstorage 9160 JBOD subsystem to an OPENstorage 9163 RAID subsystem. And for even greater performance, upgrade the OPENstorage 9163 to an OPENstorage 9165 or OPENstorage 9166 RAID system.

Exceed your expectations, with StorageTek

Maintain a steady course towards business vitality. Extraordinary Open, Intelligent and Integrated solutions make your information powerful and easy to manage across your enterprise. Obtain assessment, sizing, implementation and support tailored to your operating objectives from StorageTek, the preeminent provider of network storage.



SAN certified



RAID

Specifications

OPENstorage 9163 Disk Processor Enclosure

Performance Data

Host Interface:	One 100 MB/Sec Fibre Channel connection per processor FCP SCSI-3 protocol Two 9-pin, DB9 shielded connectors per processor Supports copper/optical adapters (Media Interface Adapters - MIA)
Drive Interface:	Dual, independent FC-AL interface ports each drive; 100 MB/Sec each 200 MB/Sec total

Subsystem

Capacity (max):	3 to 30 drives; max capacity of 1.080 TB
Cable Length (max):	Copper - 30 meters, server or hub to enclosure Copper - 10 meters between successive 9160 DAEs Optical - 500 meters using a copper/optical adapter (Media Interface Adapter - MIA) Optical - 45 kilometers using StorageNet™ Access Hubs

Physical Data (Approximate)

Rackmount Enclosure

Chassis:	Height - 6.07 in. (15.4 cm)
	Width - 17.5 in. (44.5 cm)
	Depth - 24.0 in. (60.9 cm)
	Weight - 78.0 lb. (35.4 kg) max.

Pedestal Enclosure 10-Drive

Height - 26.8 in. (68.0 cm)
Width - 9.8 in. (24.8 cm)
Depth - 29.4 in. (74.7 cm)
Weight - 132.0 lb. (60.0 kg) max.

Pedestal Enclosure 30-Drive

Height - 26.8 in. (68.0 cm)
Width - 20.6 in. (52.2 cm)
Depth - 29.4 in. (74.7 cm)
Weight - 349.0 lb. (158.0 kg) max.

Functional Data (Typical)

Drives

Drive Capacity:	9.0 GB, 18.0 GB, 36.0 GB
RAID:	8.8 GB, 18.0 GB, 36.0 GB
Rotational Velocity:	7200 rpm; 10,000 rpm

Power Source

Input Requirements:	47-63 Hz, 90-264 Vrms, single phase
Power Factor:	.95 (min.)

Operating Environment

Temperature:	50°-104° F (10°-40° C)
Elevation:	8000 ft (2438.4 m) @ 104° F (40° C) max. 10,000 ft (3048 m) @ 98.6° F (37° C) max.
Temperature Gradient:	10° C/hr
Relative Humidity:	20-80% (non-condensing)

Safety and Emissions

FCC Class A CSA C22.2-950
VCCI Class 1 EN60950
EN55022 Class A CE Mark
U.L. 1950
Manufactured under an ISO 9000 - registered quality system



More information?
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STORAGETEK

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MN 3015A 10/99

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