

# RAIDFLEX™ 8000 Series iSCSI - SAS / SATA RAID



Specifically designed to meet data consolidation requirements, **RAIDFLEX 8000** Series iSCSI host systems provide simple and scalable network storages. Suitable for a wide range of organizations, they deliver the benefits of a cost-effective and reliable storage system to consolidate storage leveraging an IP storage network.

With iSCSI host interface connectivity and SAS back-end technology, the RAIDFLEX 8000 specifically benefits environments where flexibility, price / performance, and availability of administrative staff are critical IT decision factors. With four host-side 1Gb/s iSCSI interfaces (two per controller), it attaches to redundant IP switches, enabling capacity-efficient storage consolidation without the need of an expensive storage network.

The option for dual-active controllers and up to 12 SAS and / or SATA drives combine to create a fully-featured and highly available storage system in a 2U enclosure. And when capacity and / or performance requirements change, the 8000 Series scalability supports up to 36 additional drives in three additional JBOD expansion enclosures.

By combining proven iSCSI technology with the next generation of unified SAS / SATA backplane and expansion technology, the RAIDFLEX 8000 provides best-of-breed technology and ensures that growing organisations may take advantage of improved availability and reliable data protection.

Applications	Features
<ul style="list-style-type: none"> <li>Storage Area Networks</li> <li>Security and Surveillance</li> <li>Regulation Compliance Storage</li> <li>Disaster Recovery Storage</li> <li>Audio/Video Editing</li> </ul>	<ul style="list-style-type: none"> <li>Up to 12TB per chassis (SAS or SATA)</li> <li>Expansion to 48TB</li> <li>RAID levels 0, 1, 10, 3, 5</li> <li>Dual Active-Active controller option</li> <li>Snapshot data management services</li> </ul>

As businesses continue to grow, administrators have the flexibility to add premium features to support data utilization and protection requirements.

- **Storage Partitioning** logically divides a system defining which host or host group may access each volume in your storage system, enabling a number of hosts to share a single system.
- **Volume Snapshot** creates capacity-efficient, point-in-time volume images, providing a logical volume for such uses as file restoration and backup.
- **Volume Copy** creates a complete physical copy of a volume, which may be used for application testing and development, information analysis, data mining, backup etc.



Powered by



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## Expanding Data Storage Solutions

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# RAIDFLEX™ 8000 Series

## iSCSI - SAS / SATA RAID



iSCSI	
<b>Models</b>	
Designation	Dpz3-88212r1-sc: 2U 12 Drive, iSCSI Host, <b>single controller</b> Dpz3-88212r1-rc: 2U 12 Drive, iSCSI Host, <b>dual controllers</b>
<b>General</b>	
Capacity (up to)	12 bay – 12TB (SATA HDD); 3.6TB (SAS HDD)
Supported OS	Windows 2K03 (32/64 bit), Red Hat Enterprise Linux v4.0, SUSE SLE v9.0 and 10.0 (32/64bit)
Powerconsumption	515 Watts (+ 5V @ 19A/+12 V @ 35A)
<b>Performance</b>	
Maximum burst I/O rate	64,000 I/Os per second
Maximum sustained I/O	22,000 I/Os per second
Maximum sustained read	380 MB/s
<b>Connections</b>	
Host Channels	1Gb/s iSCSI (2 ports per controller)
Ports	1x Serial (RS232C) firmware management, 1x Serial (RS232C) UPS Monitor.
Expansion Ports	1 x Mini SAS (One 3Gb SAS wide (x4) Exp. port) per controller
Drive Channels	12 x SATA-II/SAS
<b>RAID Controller</b>	
No. of Controllers	1 or 2 controllers
Processor	Intel X-Scale (667 Mhz)
Memory	Standard 512MB with 1GB option
BBU	Optional (72hrs)
RAID levels	0, 1, 3, 5, 6, 10
RAID sets	Max 12
RAID features	Automatic drive failure detection and rebuild to hot spares Supports dual-active controllers with mirrored cache
<b>Hot Swap Components</b>	
Controller	Redundant hot-swappable controllers (DPz3-88212r1-rc)
Hot swap trays	12 x SATA-II/SAS
Power Supplies	2 x 350 W
Cooling Fans	2 x Turbo Fan
<b>Management</b>	
Monitoring Messaging	Buzzer, email, SNMP
<b>Physical</b>	
Dimensions (WxDxH) in mm	448 x 540 x 86
Weight (unpacked, w/o drives)	29kg
<b>Environmental</b>	
Temperature	Operating 10°C to 40°C   Non operating -20°C to 60°C
Humidity	10~85%, non-condensing
Altitude	Operating 0 – 10000ft   Non-operating 0 – 20000ft
<b>Designed to meet</b>	
Quality standard	ISO9001
Health and Safety	UL, CUL, CB
EMC	FCC, CE, C-Tick, BSMI
RoHs and WEEE compliant	Yes