

VessJBOD™ 1000 Series

Dual SAS-to-SAS/SATA 3Gb/s Storage Enclosure

Amazing Lightweight and Space-Saving Architecture

Innovative enclosure design makes the VessJBOD 1000 series easy to lift and install into rackmount housings, especially for SMBs who are short of space. As IT data centers face pressing challenges with the obvious growth of digital information, demanding storage requirements come with more cooling and floor space. Making an efficient layout deployment is not just reducing square footage in an electrical or computer room, but also saving money from your IT budget.

When a JBOD is not just a JBOD

When a VessRAID can wake up a sleeping secondary VessJBOD via Wake-on-SAS support¹, an optimized energy management and data availability application tells engineers they could tailor a better infrastructure for storage. VessJBOD stays off-line as a cascaded redundant system of VessRAID and goes active for data backup at a desired timing basis. The PROMISE Vess family provides you a new fault-tolerant storage experience.

Energy Efficiency Means Savings Effectiveness

VessJBOD 1000 uses 80 PLUS Certified² power supplies. 80 PLUS means an 80% above energy-efficient program in power supply design. 80 PLUS qualified power supplies not only lower power costs and reduce current draw for a significant improvement of power quality, but also come with value-added non-energy benefits such as reductions of heat output, maintenance costs, and total cost of ownership as a better system reliability environment.

Your Comprehensive Storage Partner

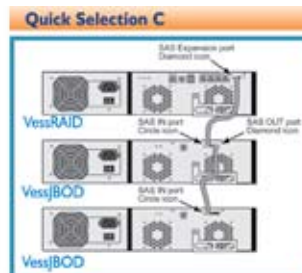
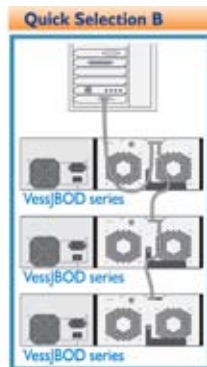
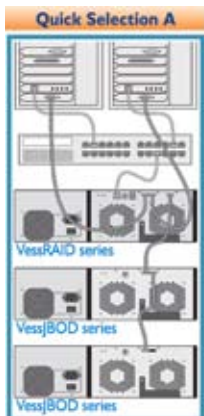
PROMISE storage solutions comprise various combinations of host bus adapter, Vess system and enclosure series connections. A VessRAID storage system can be direct attached with the FastTrak TX8668 adapter as host channel, and downlinks secondary VessJBOD expansion enclosures up to 80 drives. A VessJBOD enclosure supports IOP based RAID adapters like SuperTrak EX8654, SuperTrak EX8658, and SuperTrak TX8658 as a massive disk storage pool.



System Highlights and Benefits

- :: 16/12 hot-swappable drive bays in a robust 3U/2U chassis
- :: Supports Serial Attached SCSI (SAS) and SATA drives
- :: Single SAS JBOD I/O module
- :: Single or Dual hot-swap redundant power supply unit with 80PLUS Certified
- :: SES-2 compliant enclosure management
- :: Fully compatible with PROMISE HBAs and RAID subsystems
- :: Wake-on-SAS support (WOS)

Quick Selection Guide		
	Host Option	Subsystem/Enclosure
A	FastTrak TX8668	VessRAID SAS series
	SuperTrak EX8654	VessJBOD series
B	SuperTrak EX8658	
	SuperTrak TX8658	
C	VessRAID iSCSI series	VessJBOD series



¹Wake-on-SAS support available from Q3'2009

²Single PSU is 80 PLUS Bronze Certified, Redundant PSUs have 80 PLUS power efficiency



VessJBOD™ 1000 Series Specifications

VessJBOD System	VessJBOD 1730	VessJBOD 1740	VessJBOD 1830	VessJBOD 1840
JBOD I/O Module Features				
Form Factor	2U	3U	2U	3U
Drive Support	12 Drives (3.5")	16 Drives (3.5 ")	12 Drives (3.5")	16 Drives (3.5")
	SAS(3Gb/s), SATAII(3Gb/s)			
Controller	Single			
Host Channel	Dual, IN/OUT SAS-wide(x4) port over SFF-8088			
Host Options				
Promise RAID HBA	SuperTrak EX8654, SuperTrak EX8658 SuperTrak TX8658			
Promise RAID Storage System	VessRAID 1000 iSCSI/SAS Series			
SAS Features				
Management Function	Easy FRU Design Full SAS domain Topology Management SAS Management Protocol In-band Access to Expander and PHY Statistic Counters and Performance Monitors SES Enclosure Management SCSI SES Command Set over Virtual SSP Device			
System Management				
Supported OS	Windows 2000, XP, 2003, Vista, 2008 RedHat Linux SuSE Linux FreeBSD 7.0			
Management Interfaces	LED Status Indicator In-band SES Enclosure Management CLI via RJ-II serial port			
Management Protocols	SES over in-band SAS			
System Information				
AC Input	90 ~ 264 VAC, 47 ~ 63Hz			
Current (Max)	6A (100V); 3A (240V)	7A (100V); 3.5A (240V)	6A (100V); 3A (240V)	8A (100V); 4A (240V)
Power Supply	Single 350W 90-264V auto-ranging w/PFC 80PLUS Bronze Certified	Single 450W 90-264V auto-ranging w/PFC 80PLUS Bronze Certified	Dual 350W 90-264V auto-ranging w/PFC 80PLUS Power Efficiency Hot swappable and redundant	Dual 450W 90-264V auto-ranging w/PFC 80PLUS Power Efficiency Hot swappable and redundant
FAN	N+1 Design			
Temperature	5° ~ 40°C! (-40° ~ 60°C non operational)			
Relative Humidity	10% to 80% non-condensing			
Dimensions (H x W x D)	88.4 x 446.2 x 460.5 mm 3.5 x 17.6 x 18.1 in	131 x 446.2 x 460.5 mm 5.1 x 17.6 x 18.1 in	88.4 x 446.2 x 460.5 mm 3.5 x 17.6 x 18.1 in	131 x 446.2 x 460.5 mm 5.1 x 17.6 x 18.1 in
Weight	10.8 kg (23.81 lbs) w/o drives 18.6 kg (41 lbs) w/ drives	13.8 kg (30.42 lbs) w/o drives 23.4 kg (51.59 lbs) w/ drives	12.6 kg (27.78 lbs) w/o drives 20.4 kg (44.97 lbs) w/ drives	15.8 kg (34.83 lbs) w/o drives 25.4 kg (56 lbs) w/ drives
Safety/EMI	CE, FCC Class B, VCCI, BSMI, CB, KCC, C-Tick, UL/cUL, TUV			
Base Configuration	VessJBOD 2U/3U Unit w/ Drive Carrier RJ11-to-DB9 Serial Data Cable, Power Cord (Single PSU: 1; Dual PSU: 2) Quick Start Guide, Set of Screws, CD (Product Manual, Firmware Update Tool, QSG)			
Warranty and Option				
Warranty	3 years limited warranty ²			
Supported Hardware Options	Front Bezel, Sliding Rail, SAS Cable			

¹Operational Temperature between 5° ~ 35°C if BBU installed

²BBU is covered by one year limited warranty

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