Flexible, Reliable & Cost-effective Storage Expansion

Vess J3000 Series

Features

- Expand Vess R3000, A6000 and A7000 subsystems with Vess J3000 expansion units

- Industry leading performance and reliability at an excellent price

- Supports 12G/6G SAS and 6G SATA drives simultaneously

- Field replaceable SAS JBOD I/O modules

- 3U-16 form factor featuring hot-swappable drive bays

- Redundant power supplies

- Energy efficient system reduces power and cooling costs

Cost-effective Storage Expansion Platform

As the demands for capacity expansion explode for IT applications and video surveillance, it is imperative that IT administrators find a cost-effective way to meet performance and expansion goals. The Vess J3000 Series is a robust storage expansion platform that serves as a building block to provide reliability and flexibility in a cost effective package that is simple to administer and meets the demands of your application. The 3U-16 bay Vess J3000 models are fully expandable to meet your needs today and in the future.

Redundant Power Supplies

The Vess J3000 Series is equipped with redundant power supplies. The advantage of power supplies is that should one fail, the other continues to power the subsystem until the faulty one can be replaced. Additionally, the power supplies are hot-swappable, which enables you to leave the subsystem running when you replace the one that failed.

Reduce Power and Cooling Costs

The Vess J3000 series utilize environmentally friendly production methods and materials as well as a high-efficiency design that saves energy. Sporting 80 Plus Gold Certified power supplies delivering up to 90% power efficiency, the Vess J3000 Series improves total cost of ownership by conserving power, reducing heat output and improving cooling costs.

Technical Specifications

Model and Number		
Models	 **J3600sS**	 **J3600sD**
Drive Support	• Up to 16 3.5" drives • 6/12 Gb SAS, 6 Gb SATA HDD and SSD • Supports any mix of SAS and SATA drives simultaneously in the same enclosure	
External I/O Ports	Single (sS)/Dual (sD), IN/OUT 12G SAS-wide port over SFF-8644 per controller	
Host Options		
SAS HBA	Follow Vess J3000 compatibility list	
RAID Storage Subsystem	Vess R3000/Vess A6000/Vess A7000	
SAS Features		
Expander Management Features	• Self-configuring expander supports full SAS domain topology management • End Device Frame Buffering (aggregate bandwidth over multiple slow devices e.g. 6G and 3G) • Smart cable support to detect cable type and tune PHY automatically for maximum reliability • SMP-SAS Management Protocol • In-band access to Expander and PHY information • Statistic counters • SES EM-SES Enclosure Management (ANSI T10 SES 2 Compliant) • SCSI SES command set over virtual SSP device	
System Management		
Management Interfaces	• LED status indicator support for drives, FRU and enclosure environmentals • In-band SES enclosure management alerts user to out of spec operation: thermal condition, voltage condition or component failures, protecting data and hardware • Full subsystem management CLI through out-of-band RS232 serial port	
Enclosure Protocol and Management	ANSI T10 SES 2, SMP (SES over in-band SAS) VPD (Vital Product Data) on Chassis and FRUs	
Mechanical Specifications		
Power Supply	CRPS 550W ; Efficiency 80PLUS Certified Redundant PSU	
Voltage	AC: 100-240VAC; DC: 180-320VDC Auto-Ranging	
Current	< 8A@100-240VAC@full load; < 8A@180-320VDC@full load	
Power Conversion Efficiency	>80% @ 110V (>20% load), >80% @ 240V (>20% load) Temperature Range	
Temperature Range	Operational: 5° to 35°C, Non-Operational: -40° to 60°C	
Humidity	Operational: 20% to 80% (Non-Condensing), Non--Operational: ~ 95% (Non-Condensing)	
Acoustic Noise Levels	<60dB, 25°C	
Shock	Operational: 5G, 11 ms duration, Non-Operational: 30G, 11ms duration	
Vibration	Operational: 0.2G, 5 to 500Hz (sine wave) ; 0.41G, 3-10-200-500Hz (Random) , Non-Operational: 1G, 5 to 500Hz (sine wave) ; 2.256G, 5-80-350-500Hz (Random)	
Safety and Emission Certification	EMC Class A: CE, FCC, VCCI, BSMI, RCM Safety: IEEE CB, NTRL	
Environmental Standards	RoHS, WEEE	
Dimensions (H x W x D)	131mm x 446.7mm x 507mm (5.2" x 17.6" x 19.96")	