

# PROMISE Vess™ J2000 Series

## JBOD Storage Expansion Platform



- Expand Vess R2000 RAID subsystems up to 112 disk drives with Vess J2000 expansion units
- Industry leading performance and reliability at an excellent price
- Supports 6Gbps & 3Gbps SAS & SATA drives simultaneously
- Dual active/active SAS JBOD I/O modules
- 3U-16 form factor featuring hot-swappable drive bays
- Reliable N+1 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 J2000 series is a robust storage expansion platform that serves as a building block to provide high-availability and flexibility in a cost effective package that is simple to administer and meets the demands of your application. The 3U-16 bay Vess models are fully expandable to meet your needs to day and in the future. Up to six additional expansion chassis may be added to each Vess R2000 RAID subsystem, providing expansion for up to 112 drives.

### **Redundant Power Supplies**

The Vess J2000 series are equipped with redundant power supplies. The advantage of N+1 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.

### **User Friendly Design**

Simplicity and ease of use are absolutely crucial for SMBs. The Vess J2000's user friendly design features the power button on the front panel. The design brings great convenience to the user as they don't have to go behind the system and unplug the power cord or access the management GUI console to turn off the machine, but can simply turn the machine on and off through the front panel.

### **Reduce Power and Cooling Costs**

The Vess J2000 series utilize environmentally friendly production methods and materials as well as a high-efficiency design that saves energy. Sporting 80 Plus Bronze Certified power supplies delivering up to 85% power efficiency, the Vess J2000 series improves total cost of ownership by conserving power, reducing heat output and improving cooling costs.

**PROMISE**<sup>®</sup>  
**TECHNOLOGY, INC.**



### System and Controller Features

Form Factor	3U
Drive Support	16 Drives (3.5") SAS/SATA <sup>1</sup> (6Gb/s or 3Gb/s), NCQ, TCQ
# Controllers	Single/Dual
Host Connectivity per Ctrl.	Dual, IN/OUT 6G SAS-wide (x4) port over SFF-8088

### Host Options

SAS HBA	Follow Vess J2600s compatibility list
RAID Storage Subsystem	Vess R2000 Series

### SAS Features

Management Function	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
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### System Management

Management Interfaces	LED Status Indicator In-band SES Enclosure Management; CLI via RJ-11 serial port
Management Protocols	SES over in-band SAS

### System Information

AC Input	100 ~ 240 VAC, 60 ~ 50Hz
Current (Maximum)	4A (100V); 2A (240V)
Power Supply	Three redundant 250W (Up to Four)
FAN	90-264V full-ranging w/PFC, Hot swappable N+1 Design Hot swappable redundant design with battery backup module
Temperature	5° ~ 40°C [-40° ~ 60°C non operational]
Relative Humidity	10% to 80% non-condensing
Dimensions (H x W x D)	131 x 447 x 507 mm
Weight	5.1 x 17.6 x 20 in 15 kg (33.1 lbs) w/o drives 26.2 kg (57.8 lbs) w/ drives

### Warranty and Support

Warranty	3 years limited warranty
Supported Hardware Options	SAS Cable, 3G SATA AA-Mux Adapter, 6G SATA BlackJack Adapter

<sup>1</sup>Additional AA-Mux adapter is required when use with SATA 3G drive, while SATA 6G drive requires BlackJack adapter