

PROMISE VTrak J930s



Highlights

- 4U/60-Bay Ultra-Dense Enclosure
- High Performance 6G SAS Architecture
- Dual active/active SAS I/O modules
- Up to 90% power efficiency
- Eight 6G mini SAS (4x) ports
- Redundant, Hot-Swap Field Replaceable Units (FRUs)
- SES-3 compliant in-band enclosure management

Today's enterprises must move quickly to address the avalanche of unstructured data that is rapidly filling their file servers. From the latest high resolution media file formats to industry compliance storage, there is no end in sight of the current storage boom. IT administrators must quickly find a robust storage expansion platform to provide high-availability, flexibility and energy-efficiency in a cost effective package that will fit within their data center's crowded footprint. To meet this challenge, PROMISE offers the VTrak J930s expansion chassis.

Ultra-Dense Storage for Crowded Datacenters

The VTrak J930s 4U/60-Bay ultra-dense enclosure delivers high performance 6G SAS with advanced enterprise level reliability and redundancy. Dual active-active JBOD I/O modules allow for redundant data paths to ensure data availability while dual power and cooling provides exceptional power efficiency to improve operational cost over traditional storage deployments.

6G SAS Performance

Using a multi-lane 6G SAS host interface, the VTrak J930s has the available bandwidth and low latency performance to support a multitude of applications. The four physical ports per controller gives the user flexible connectivity options. Paired with the VTrak Ex30 Series RAID subsystems, the J930s is capable of delivering outstanding performance while offering massive scalability and the reliability of an enterprise-class RAID solution. In addition, the J930s conforms to SAS standards allowing it to attach to server based 6G SAS host bus adapters.

GreenRAID

PROMISE cares about the environment. VTrak products utilize environmentally friendly production methods and materials as well as a high-efficiency design that saves energy. High efficiency power supplies offer up to 90% power efficiency, helping the VTrak J930s to improve total cost of ownership by conserving power, reducing heat output and improving cooling costs. The internal 6G SAS expander-based architecture also allows for transparent access to each drive, enabling full utilization of the power management features built into modern hard drives, like the MAID 2.0 features built into the VTrak Ex30 RAID subsystem.

Service and Support

Every VTrak Product is backed by the PROMISE 3-Year limited warranty with 24/7 telephone and email support. In addition to our industry leading warranty, PROMISE offers extended warranty and onsite parts replacement options with service levels with response times as low as 4 hours.

VTrak Jx30 Ultra Dense Expansion Chassis

3TB - VTrak
60 x 3TB 7200 RPM SAS Drives

4TB - VTrak
60 x 4TB 7200 RPM SAS Drives

VTrak J930s Hardware Specifications

I/O Module Features	
Form Factor	Ultra-dense 4U/60-bay
Drive Support	SATA, SAS
External I/O Ports	Each I/O module has four 6G SAS ports using industry standard Mini SAS 4x wide-port-SAS connectors (SFF-8088)
SAS Features	
I/O Module Features	ANSI T10 SAS 2.0 Compliant Self-configuring expander supports full SAS domain topology management <ul style="list-style-type: none"> • Auto-negotiate data path speeds • In-band management • Redundant cable support
Enclosure Management Protocols	SES over in-band SAS
Mechanical Specification	
Voltage	90/264V, 47-63Hz auto ranging
Current (maximum)	14.5A RMS max @110VAC
Power Conversion Efficiency	20% load @ 115V ~ 87%; 50% load @ 115V ~ 90% 20% load @ 230V ~ 88%; 50% load @ 230V ~ 92%
Temperature Range	Operational: 10° to 35°C (50° to 95°F) Temperature gradient 20°C per hour Non-Operational: -40° to 70°C (-40° to 158°F)
Humidity	Operational: 10 to 80% (non-condensing) Humidity gradient: 10% per hour Non-Operational: 5 to 95% (non-condensing)
Shock	Operational: 5G, 11 mS duration, 1/2 sine wave pulse Non-Operational: 10G, 11mS duration, 1/2 sine wave pulse
Vibration	Operational: 0.15Grms Non-Operational: 0.5G, 5 to 500 Hz
Safety	IEC/EN/UL/CSA 60950-1, 2nd Edition
Environmental Standards	RoHS and WEEE Compliant
Power Supply	Redundant 1200W hot-plug auto-switching 90/264V, 47-63Hz, 14.5A RMS max @110VAC
Dimensions (H x W x D)	6.90 x 16.56 x 35.1 in (175.3 x 420.6 x 891.5 mm)
Dimensions with cable management	6.90 x 16.56 x 39.17 in (175.3 x 420.6 x 994.9 mm)
Mounting Options	Rack-mounting rail kit up to 28" (included). Optional extension kit up to 30"
Shipping Weight	Chassis only: 125 lbs (56.8 kg), Chassis w/ 60 drives: 245 lbs (111.3 kg)
Installation Weight	Unpopulated: 105 lbs (47.7 kg), Fully Populated w/ 60 Drives: 213 lbs (96.8 kg)
Warranty and Support	
Warranty	Three year complete system limited warranty with advanced parts replacement; optional extended warranty; optional onsite parts replacement program
Support	24/7 email and phone support (English only); 24/7 access to Promise support site-drivers, firmware and compatibility lists