

BlueStor™ Storage Server with AMD



BlueStor™

Businesses today are facing data storage requirements that are fast exceeding their existing storage capacity, due in part from the exponential increase in structured and unstructured data coupled with stronger government regulations and disaster preparedness. In the past, high equipment and operational costs associated with proprietary technologies have put high-end storage solutions beyond the budget of many small to mid-sized companies. Today, however, the total cost of ownership (TCO) equation is changing.

Innovative products such as JMR's **BlueStor™ Storage Server**, which can be configured as a DAS or NAS device, leverages an open architecture design based on industry-standard networking technologies integrated with new management tools to lower both Capex and Opex expenditures, making it a practical solution for today's increasing storage requirements.

Performance that you can count on. Reliability that you can depend on.

The enterprise class **BlueStor™ Storage Server** features 16 hot-swappable 3 Gb/s SAS/SATA disk drive bays, four (N+1 configured) high-velocity cooling fans, dual 600W (N+1) hot-swappable power supplies, an internal SAS Expander for single cable connection to a SAS host controller, and a high-performance Tyan 2932 SATA mother board with two dual core 2.2 GHz AMD CPUs.

In addition, the **BlueStor™ Storage Server** is SES 2.0 compliant and provides real-time disk activity/failure status for every drive bay as well as physical user interface controls and indicators for power and cooling status with visible and audible alarms, plus front panel "on-off" and "reset" switches.

The perfect combination of form, fit and function

The **BlueStor™ Storage Server** is unique in its modular design; it uses no cables in the data path, thus minimizing airflow restrictions and points of failure. Like other **BlueStor™** 3U rackmount products, it uses vertically-mounted disk drives in lightweight, low-cost, vibration dampening disk drive canisters for the highest signal integrity and maximized air flow, resulting in lower drive temperatures and higher operational efficiency.

Features:

- **3U 16-Bay SAS/SATA Drive Enclosure**
- **SAS JBOD or RAID Controller**
- **Optional SATA JBOD or RAID Controller**
- **Sixteen 3.5" Drive Canisters**
- **16TB Capacity with SATA Drives**
- **4.8TB with SAS 15K drives**
- **Capacity Expansion**
- **Dual AMD® Opteron™ Processors**
- **PCI-X and PCIe Expansion Slots**

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RACKMOUNT SPECIFICATIONS

Dimensions/Weight

Unit Weight	35.05 lbs. (15.90 kg) (excluding drives)
Height	5.21" (3U) (132 mm)
Width	17.42" (422 mm)
Depth	21" (533 mm)

Power Supply (includes internal cooling fan)

Quantity	2
Power	600 Watts each (N+1) Power Factor Correction
Input	100-260 VAC; 50-60 Hz

S2932 MOTHER BOARD FEATURES

- One or Two Multi-Core AMD® Opteron™ Processor with a 667MHz System Bus.
- Tyan® nVidia nForce Pro 3600 Chipset
- Quad Memory-Channel Architecture (64GB Max)
- PCI Express I/O Interconnect Technology
- Six SATA2 (3Gbps) Ports

The JMR **BlueStor™ Storage Server** offer user intuitive features that simplify storage management and lower administration costs by allowing users to configure and manage their system from a single graphical user interface console. These software features offer the ability to configure and provision volumes quickly without system downtime.

Optional features allow the user to extend the capacity and the performance of the **BlueStor™ Storage Server** and provide business continuity by adding additional SAS Expanders to easily increase storage capacity.



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