

# BlueStor™

## HPC Server



**BlueStor™** HPC Server is a robust server platform designed for HPC clusters that rival the fastest supercomputers. Configured with the latest Intel Xeon 64 bit X5680 6 core processors and NVIDIA® Quadro® series CUDA enabled GPUs, the **BlueStor™** HPC Server can leverage gigaflops of performance per server or be deployed as nodes as part of a high performance computing cluster, interconnected via Quad Data Rate Infiniband, 10 Gigabit Ethernet or 8 Gigabit Fibre Channel. Applications include: visualization, atmospheric research, fluid dynamics, parallel processing, oil and gas, life sciences, signal processing video and audio processing and transcoding, computer aided engineering and finite element analysis, digital content creation, ray tracing, medical imaging, seismic analysis, finance and numerics.

Using JMR's renowned and patented PCI Express DAS technology, **BlueStor™** Extenders, Expanders and PeSAN storage arrays can be attached to deliver up to hundreds of terabytes of high speed storage with current drive sizes.

### Features:

- 4U HPC Server
- Redundant (N+1) Hot Swap Power Supplies
- Redundant (N+1) Hot Swap, Thermostatically Controlled Cooling Elements
- Dual Intel 64bit 6 Core 3.3GHz Processors
- Up to 192 GB DDR3 ECC Memory
- Up to four NVIDIA® Quadro® Series GPU's
- Blu-ray Optical Disk Drive (Writer)
- Dual GigE Ports
- Rack Mount Kit and Hardware Included

\*Based on current drive capacities

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JMR Electronics provides professional support services with optional levels of increasing coverage depending on your specific needs. Every JMR product is backed by access to JMR's experienced technicians and engineers along with the manufacturer's warranty.

Whether you're just looking for advice with respect to adding storage while preserving your bandwidth or you need full on-site installation and training services, JMR is there to support you.

Contact us at +1(818) 993-4801, sales@jmr.com or visit us on the web at [www.jmr.com](http://www.jmr.com) today.

### Rack Mount Specifications

#### Dimensions/Weight

Weight	51lbs. (23.13 kg) (excluding drives)
Height	6.97" (4U) (177.04 mm)
Width	19" (483 mm)
Depth	25" (635 mm)

#### Power Supply (includes internal cooling fan)

Quantity	2
Power	620 Watts each (N+1) Power Factor Correction
Input	100-260 VAC; 50-60 Hz

### Mother Board Features

- Two 3.3GHz Six Core Intel® Processors with a 667MHz, 1066MHz, or 1333MHz System Bus
- Intel® 5520 Server Chipset
- Quad Memory-Channel Architecture (96GB Max)
- PCI Express I/O Interconnect Technology
- Six Port SATA Via Integrated Controller on Mother Board

#### JMR Electronics, INC.

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