XSR OFFLOAD SERVER

Powerful Solution — High Performance

The XSR Offload Server is based on Supermicro 19"rackmount servers, and it provides as a powerful solution for making the data available to the end user. Data can be accessed directly by read/write to the RDM or it can be copied to the high capacity internal RAID for further processing or archiving. The built-in RDM docking station provides direct access to the four SSDs in the RDM through individual 3.0 Gbps SATA links for over 800MB/s sustained read/write speeds.

The XSR Removable Storage Module (RDM) fits all of Galleon's data recorders, NAS and servers, thus providing an extremely flexible storage solution to suit the target application. The RDM can be exchanged in the field in seconds, with no tools required.

The XSR Offload Server is based on Intel Xeon architecture, offering a high-performance processing and data distribution system. In addition to the built-in dual Gigabit Ethernet interfaces, additional Gigabit or 10Gigabit Ethernet server adapters can be added as needed. Customized solutions such as tape archives and external high-capacity RAID systems are also offered.

For use with encryption enabled XSR systems, the XSR Offload Server may be fitted with optional AES 256-bit encryption hardware for full read/write access to encrypted RDMs. The offload server can also act as a Key Management System. Internal RAID capacities for 4TB to 48TB are supported in single or dual Xeon multi-core CPU systems with up to 128GB DDR3 SDRAM.

Galleon Embedded Computing's quality management system is certified to Aerospace Standard AS/EN 9100:2016 and ISO 9001:2015.

Easy Data Access, Archive & Distribution

KEY FEATURES

- Easy access to data
- Front loaded RDM docking station
- Up to 800MB/s data copy speeds
- Dual Gigabit Ethernet
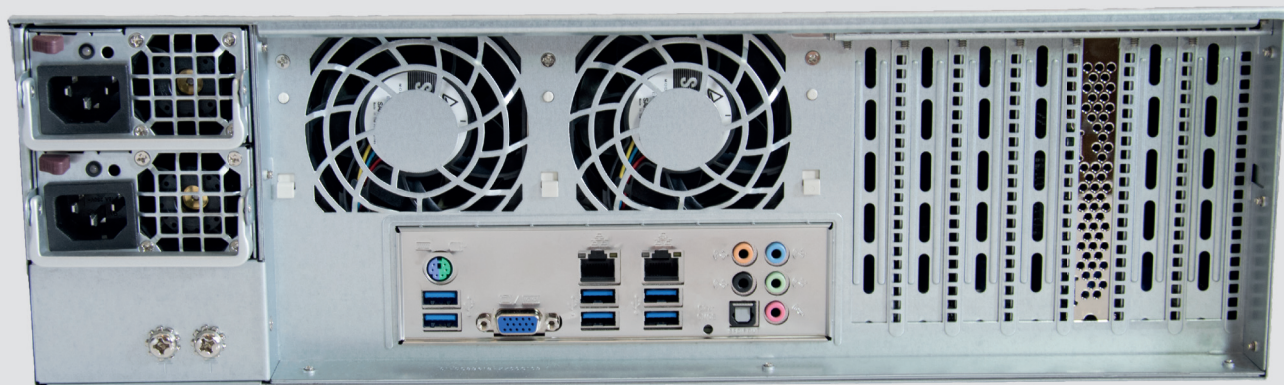- Optional Quad 10Gb or Gigabit Ethernet

APPLICATIONS

- Flight test
- Missile test
- Radar data recording
- High speed sensor data capture
- Geological survey and seismic
- Physics research

BENEFITS

- Removable storage
- No tools required
- High performance
- High capacity

Chassis & Interfaces
- Supermicro 3U 19" chassis
- RDM docking with 4x SATA 3.0 Gbps links
- 8x removable 3.5" HDD (not swappable)
- Dual Gigabit Ethernet
- USB, VGA, RS232
- CD/DVD R/W

CPU & Memory
- Single Intel® Xeon® Quad Core
- 16GB DDR3 SDRAM
- Supermicro® motherboard
- Default configuration

Storage
- Up to 48TB (8x 6TB 3.5" HDD)

Operating System
- RedHat or Debian Linux
- Windows 7/8 or Windows Server

Power Supply
- Dual redundant 800W
- 100-240V AC, 50-60Hz, 10-4 Amp

Dimensions
- 3U 19" rackmount server
- 132 x 437 x 648mm (h x w x d)
- Approx. 40kg*

Ordering Information
- SRV-3U19-xxTB-yyy

The server is available with 4, 16, 24, 32, 40 and 48TB storage capacity. The "yyy" indicates CPU and motherboard type. Contact Galleon for details.

Customized variants are available upon request. Contact Galleon for options.

*Actual weight is dependent on storage capacity and I/O

ABOUT GALLEON

Galleon Embedded Computing is an innovative leader in development of high-performance, high-quality storage solutions and small rugged data recorder systems, servers and NAS devices.

Galleon's offerings span from commercial grade products for benign environments to ruggedized conduction-cooled products for deployed systems in severe environments.

RELATED PRODUCTS
- XSR RDM
- XSR sFPDP Recorder
- XSR Server
- ATR Quad Server
- XSR NAS

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embedded computing

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