

# GALLEON XSR OFFLOAD SERVER

## Powerful Solution – High Performance

The XSR Offload Server is based on Supermicro 19" rackmount servers, and it provides 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 exchange 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 higher network Ethernet server can be added as needed (up to 100 Gigabit). 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 80TB are supported in single or dual Xeon latest 9th generation multi-core CPU systems with up to 128GB SDRAM.

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

### EASY DATA ACCESS, ARCHIVE & DISTRIBUTION



FIPS 140-2 Inside

#### 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 tool required
- High performance
- High capacity

## TECHNICAL SPECIFICATION



### 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 10 or Windows Server

### Power Supply

- Dual redundant 800W
- 100-240V AC, 50-60Hz

### Humidity

- Up to 100%, condensing

### Size & Weight

- 3U 19" rackmount server
- 5.2 x 17.2 x 25.5"
- Approx. 88.2 lb\*

### Ordering information

- SRV-3U19-xxTB-yyy\*\*

Customized variants are available upon request.

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

\*\* The server is available with 4, 16, 24, 32, 40 and 48TB storage capacity. The "yyy" indicates CPU and motherboard type.

### 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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