

XSR Removable Data Module

Flexible – Up to 80TB

The XSR Removable Data Module (RDM) fits all Galleon data recorders, NAS and servers, 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 storage module uses industry standard 2.5" solid-state storage (SSD) modules. Up to four different SSDs can be fitted supporting capacities up to 80TB total. All varieties of SSDs can be used, ranging from military grade ultra rugged to commercial grade for lab and development systems.

Consequently, the storage can be optimized depending on the usage and specific needs. For example, commercial

grade storage can be used for lab development and pre-deployment usage, where cost and optimization is of higher importance than data integrity. Then, when the unit is used on critical missions, industrial grade storage can be used to meet the most demanding environments.

For additional security, optional AES 256-bit encryption may be added either internal to the RDM or part of the XSR unit. Further security enhancements such as quick erase and secure erase are supported on selected storage media.

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

Flexible Storage Solution



KEY FEATURES

- Up to 80TB solid-state storage capacity
- Supports SLC and MLC storage technology
- Industry standard 2.5" SSDs

APPLICATIONS

- Network Attached Storage
- Flight test
- Radar data recording
- Video recording
- High speed sensor data capture
- Rugged Servers

BENEFITS

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

TECHNICAL SPECIFICATION



Capacity

- Up to 80TB MLC
- Up to 40TB SLC

Operating Temperature

- 0°C to +50°C standard temperature
- -20°C to +65°C extended temperature
- -40°C to +71/75°C extended temperature

Shock and Vibration

- Tested to MIL-STD-810

EMI/RFI

- Tested to MIL-STD-461

Altitude

- -1500 to 40 000 ft (standard)
- -1500 to 60 000 ft (extended temp. variant)

Size, Weight & Power

- Weight: 700g (configuration dependent)
- Power: TBD (SSD dependent)

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 Server and Recorder
- USB 3.0 Docking Kits
- Internal SATA Docking Kits
- Portable Planning and Debrief
- Offload Servers



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