19" RACK MOUNTED RECORDER

Powerful Performance — Industry Standard

The Galleon 19" rack mount recorder uses the same high bandwidth I/O and recorder software as Galleon's popular XSR family of fully rugged recorders. IO options include sFPDP, Video, 40GbE, 25GbE, 10GbE and GbEthernet.

With Galleon's modular recorder software applications, maximum performance is guaranteed. The 19" Rack Mount Recorder can optionally come with a docking port for the same Removable Data Module (RDM) as the XSR, or with SSDs installed directly into the recorder. With the latter option, performance at well over 1GB/s can be sustained.

Intel Core i7 and Xeon processor options, including the latest 9th generation, are supported with up to 96GB SDRAM supporting ECC.

Offload of the data can be performed through high Bandwidth connectivity (e.g. 10GbE), or through removal of an RDM.

The underlying 19" rackmount server uses the latest Embedded Intel processor and interface devices, providing exceptional performance at low power. Data security is available through both encryption and secure erase functionality.

Optional FIPS 140-2 and AES-256 hardware encryption provides a high level of data security with flexible key management options, including physical key tokens through front panel key loading port and remote loading over a secure network connection.

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

RACK MOUNTED RECORDER

FIPS 140-2 Inside

KEY FEATURES	APPLICATIONS	BENEFITS
▪ Maximum recording performance	▪ Ground station recording	▪ Up to 160TB SSD
▪ Advanced recording software	▪ Lab recording	▪ Simple control API
▪ High bandwidth IO	▪ Test systems	▪ Simple recording formats
▪ High speed offload of recorded data	▪ Simulation data gathering	▪ High recording bandwidths

High bandwidth IO options
- Serial FPDP
- HD-SDI Video
- 40, 25, 10 and 1Gb Ethernet
- Composite Video & Audio

Data logging IO options
- CANbus
- Serial port (RS232/422/485)
- USB

Chassis & Interfaces
- Supermicro 3U 19" chassis
- Optional RDM docking port
- 8x SSD/HDDs
- USB, VGA, RS232
- CD/DVD R/W

Storage (8x 3.5" slots)
- Up to 160TB MLC SSDs
- Up to 80TB SLC SSDs
- Up to 80TB HDDs
- RDM port (4x SSDs)
- Optional certified FIPS 140-2 hardware encryption (AES-256)
- Optional AES 256-bit encryption

Humidity
- Up to 100%, condensing

Size & Weight
- 3U 19" rack mount recorder
- 132 x 437 x 648 mm
- Approx. 40 kg*

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

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

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 sFPDP Recorder
- XSR HD Video Recorder
- XSR 10GbE Recorder
- XSR Offload Server
- G1 microRecorder
- PDS

Galleon Embedded Computing

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