

# GALLEON MULTI-FUNCTION RECORDERS

## Rugged – Small – High-Performance

The Multi-Function Recorders provide a combination of recording capabilities, which makes it possible to combine functionality from multiple Galleon Recorders into one recorder tailored for your needs. Galleon can combine a plethora of recorders.

The extremely rugged and Size, Weight, Power and Cost (SWaP-C) optimized design makes it ideal for deployed applications in manned and unmanned aerial systems, test pods, flight test, ground vehicles, and more. Rugged connectors for all interfaces ensure reliable operation.

Removable storage enables very short downtime for applications and instant access to recorded data in the ground access system without the need to download the recorded data over a slow data drain interface. Industry

standard SSDs are used to benefit from the ever increasing storage densities and cost reductions as the technology evolve.

The recorders have simple C++ APIs for remote control over a dedicated Gigabit Ethernet connection. Optional AES 256-bit encryption provides a high level of data security with flexible key loading options, including remote loading over a secure network connection through a dedicated key management Ethernet port. Further security enhancements such as quick erase and military erase are supported.

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

### MULTI-IO RECORDERS



#### KEY FEATURES

- Combined functionality from multiple Galleon Recorders
- Small: from 153 x 175 x 103mm (conduction-cooled)
- Rugged conduction or air cooled designs
- Up to 80TB removable SSD
- Wide input 16-40V DC power
- Optional AES-256 encryption
- MIL-STD-810
- MIL-STD-461
- GPS unit for date and time synchronization

#### APPLICATIONS

- Surveillance, intelligence, reconnaissance
- Data recording
- HD video recording
- High speed sensor data capture
- Physics research

#### BENEFITS

- SWaP-C optimized
- High performance
- Flexible and scalable
- Rugged design
- Customizable

# TECHNICAL SPECIFICATION



## Multi-Function

- Completely customizable
- Tailored for requirements
- Various functionalities

## Storage

- Up to 80TB removable solid-state disks
- Optional AES 256-bit encryption

## Rear Panel Interfaces

- Gigabit Ethernet
- USB
- VGA
- RS232
- 1x Power input
- 1x GPS antenna input

## Front Panel Interfaces

- Removable storage bay

## Options

- GbE, 10GbE, 25GbE, 40GbE
- sFPDP, Video, Audio

- MIL-STD-1553
- ARINC-429
- CANbus
- Hotlink II
- Serial Port

## Operating Temperature

- -40°C to +71°C operational temperature\*
- -55°C to +85°C storage temperature\*

## Shock and Vibration

- Tested to MIL-STD-810

## Altitude

- -1500 to 40 000 ft (AC)\*
- -1500 to 60 000 ft (CC)\*

## EMI/RFI

- Tested to MIL-STD-461

## Humidity

- Up to 100%, condensing

## Size, Weight & Power

- 157 x 201 x 103mm (6.2 x 7.9 x 4.1") Small Form Factor
- 194 x 341 x 89mm (7.6 x 13.4 x 3.5") Half Rack
- Weight: from 4.5kg (min configuration)
- Power: configuration dependent

## Power Supply

- 16-40V DC wide input

\* Configuration dependent

\*\* Contact factory for high altitude options

## 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

- CP50 Control Panel
- Offload Systems
- XSR-RDM Data Cartridges
- Titan GbE/sFPDP/10GbE XMC
- Galleon Extended Warranty and Support



## Galleon Embedded Computing

Oslo, Norway: +47 2108 0290  
London, UK: +44 7501 378664  
Munich, Germany: +49 89 4520508 0  
Katy, TX, USA: +1 (832) 437-1993

www.galleonec.com info@galleonec.com