

PORTABLE PLANNING & DEBRIEFING SYSTEMS

Powerful Solution – High Performance

The Portable Planning & Debriefing System (PDS) is a standard portable computer system configured for copying data to/from Galleon Removable Data Modules (RDMs); 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 SATA links for over 800MB/s sustained read/write speeds.

The XSR RDM fits all of Galleon's XSR 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 PDS is based on Intel Xeon server architecture, offering a high-performance processing and data distribution system. In addition to the built-in dual Gigabit Ethernet

interfaces, additional higher performance server network interface cards (NICs) can be added, 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 PDS may be fitted with optional AES 256-bit encryption hardware for full read/write access to encrypted RDMs. The PDS can also act as a Key Management System. Internal RAID capacities for up to 64TB are supported in single or dual Xeon multi-core CPU systems.

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

EASY DATA ACCESS, ARCHIVE & DISTRIBUTION



KEY FEATURES

- Easy access to data
- Side loaded RDM docking station
- Up to 800MB/s data copy speeds
- Dual Gigabit Ethernet
- Optional 10, 25 or 100 Gigabit Ethernet
- Integrated keyboard and touchpad
- Integrated 21.5" screen

APPLICATIONS

- Mission Planning and Debriefing
- Data loading and offloading
- Map data loader
- Mission data analysis
- Data archiving
- Offline removable data module formatting and preparing

BENEFITS

- Removable storage
- All-in-one data access
- Portable
- No tools required
- High performance
- High capacity

TECHNICAL SPECIFICATION



Chassis & Interfaces

- Integrated keyboard and touchpad
- Integrated 21.5" screen
- Padded carrying case
- RDM docking with 4x SATA 3.0 Gbps links
- 4x removable 3.5" HDD (not swappable)
- Dual Gigabit Ethernet
- USB, VGA, DVI, RS232, CD/DVD R/W

CPU & Memory

- Intel® Xeon® CPU
- 8x 288pin DDR4 DIMM
- ATX Server Motherboard
- Default configuration

Storage

- Up to 64TB (4x 16TB 3.5" HDD)

Operating System

- RedHat or Debian Linux
- Windows 10 or Windows Server

Power Supply

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

Size & Weight

- 524 x 372 x 226 mm
- Approx. 33 kg*

Ordering Information

- PDS-001-xxTB-yyy**

Customized variants are available upon request.

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

** The PDS is available with up to 64TB RAID storage. 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 Recorders
- XSR Servers
- XSR NAS
- XSR Docking Station
- XSR Offload Server



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