

Galleon Rugged NAS

High Performance Network Attached Storage

KEY FEATURES

- Ultra small:
- 5x Gigabit Ethernet ports (1000base-T)
- Optional dual 10Gbit Ethernet ports (optical)
- SMB/CIFS, NFS, AFP, FTP, HTTP and RSYNC
- WEB GUI for easy setup and administration
- RAID 0, 1 & 5 support
- AES256 Encryption
- GPS synchronized RTC
- Up to 1.6TB SLC or 4TB MLC Removable Solid State Storage
- Scalable up to 10TB SLC (40TB MCL) Removable Solid State Storage
- Wide Input 9-36V DC Power (48V optional)
- Rugged Air and Conduction Cooled Design
- MIL-STD-810
- Windows, Linux or BSD

APPLICATIONS

- UAVs, UGVs
- Surveillance
- Flight management
- Map systems
- Cockpit information systems

BENEFITS

- SWaP Optimized
- High Performance
- Flexible and Scalable
- Rugged design



Ultra Small Rugged NAS

The Galleon Rugged NAS offers superior performance in an ultra small form factor. Removable storage ensures increased data security when the system is not in use, and short ground times for airborne applications. Industry standard solid state drives are used to benefit from the ever increasing storage densities and cost reductions as the technology evolves.

Utilizing the powerful Intel® Core™ i7 or Core™ 2 Duo processors, the Galleon Rugged NAS is capable of handling a high number of simultaneous connections without compromising

system performance. Both optical 10Gb Ethernet and traditional 1000Base-T copper connections are available to suit existing infrastructure.

The unit can be delivered with Windows Embedded Storage Server, Linux Enterprise Server or FreeNAS SW preconfigured to suit your application needs.

Local and remote server administration and maintenance is very easy through the intuitive WEB GUI or windows remote administration.



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Galleon Rugged NAS In a Nutshell

The Galleon Rugged NAS represents a breakthrough in ultra small, high performance Network Attached Storage for harsh environments. Even the smallest unit offers up to 4TB removable solid state storage in a 150 x 170 x 100 mm conduction cooled chassis.

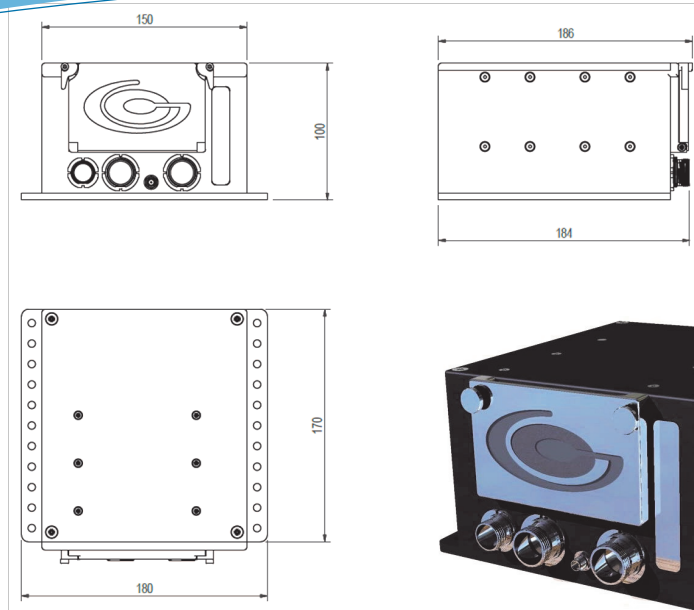
Up to 40TB of Solid State Storage is supported by external storage expansion.

Up to five Gigabit Ethernet connections are available on Glenair MightyMouse connectors in the front panel.

Optional dual channel 10Gb Ethernet on SFP+ Fiber connectors is available for high bandwidth applications and/or EMI in noisy environments where copper connections are not suitable.

Optional FIPS 140-2 level 3 hardware encryption is supported for high security applications. AES-256 encryp.

Easy setup and administration through intuitive WEB GUI.



Technical Specification

Network

- 5x Intel® 82574 Gigabit Ethernet Controllers
- 2x Intel® 82599ES dual 10Gb Ethernet Controller (optional optical interface)

Storage

- Up to 1.6TB SLC Removable Solid State Disks
- Up to 4TB MLC Removable Solid State Disks
- RAID modes 0, 1 and 5
- Supported file systems: EXT4, UFS, FAT, NTFS
- Exported file systems: SMB/CIFS, NFS, AFP, FTP, HTTP and RSYNC
- Certified FIPS 140-2 level 3 encryption (AES256)

Monitoring

- SMART
- Email alert
- SNMP
- Syslog

Front Panel Interfaces

- 5x Gigabit Ethernet
- 1x Power

Optional Interfaces

- 1x GPS Antenna Input
- 2x SFP+ Optical Gigabit Ethernet

Operating Temperature

- 0°C to +50°C Standard temperature
- -40°C to +85°C Extended temperature

Shock & Vibration

- MIL-STD-810

Altitude

- Altitude: -1500 to 40 000* ft

EMI/RFI

- MIL-STD-461F

Size, Weight & Power

- Size: 150 x 170 x 100mm (5.9 x 6.7 x 3.9") (CC base unit not including mounting plate and connectors):
- Weight: 3kg (minimum configuration)
- Power (idle): 30W
- Power (max load): 50W

Power Supply

- 12/24/28V DC (9-36V DC Wide Input)
- 48V DC (36-75V DC Wide Input)

* Contact factory for high altitude options.



info@galleonembedded.com

www.galleonembedded.com

Galleon Embedded Computing LLC
Katy, TX, USA

Phone: +1 (832) 437-1993

Galleon Embedded Computing AS
Oslo, Norway

Phone: (+47) 2108 0290



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