GROUND VEHICLE COMPUTER

Highly versatile computer for ground vehicle applications

The Galleon Ground Vehicle Computer (GVC) is a compact, high-performance platform for your in-vehicle processing applications.

Building on Galleon's long experience with military computer design, the GVC is designed specifically for vehicle applications and meets the most severe environmental conditions without compromising on functionality or performance. Removable storage with multi-layer encryption ensures fast and secure offload of data.

High performance graphics in combination with multiple gigabit Ethernet ports, CANbus, USB 2.0 and 3.0, Serial Comms, GPIO and audio, makes the GVC ideal for integration with state-of-the-art network centric Battle Management Systems, Situational Awareness vehicle self-protection systems and vetronics applications.

It implements full compatibility with the latest military vehicle standards such as VICTORY and GVA.

The GVC is maintenance free and offers reliable computing power at very low lifecycle costs.

The flexible architecture allows several Intel Xeon-E processor options ranging from the low power E3-1505Lv6 quad core to the high-performance E-2276ME six-core CPU.

At Galleon Embedded Computing we are proud to test our products to the full extent of MIL-STD-810, MIL-STD-461. "Designed to meet" simply isn't good enough!

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

PASSIVE AIR-COOLED COMPUTER WITH REMOVABLE STORAGE

FIPS 140-2 Inside

KEY FEATURES

- Rugged Passive Air-Cooled Design
- Powerful Latest Generation Intel® CPU
- Up to 32GB DDR4 SDRAM with ECC
- Wide Input 12-40V DC Power MIL-STD-1275
- MIL-STD-810, MIL-STD-461 Qualified
- Optional AES-256 encryption
- IP66

APPLICATIONS

- Military Ground Vehicles
- Naval Systems
- Combat Management Systems
- C4ISR Systems
- Industrial Applications
- Mass Transportation
- Vetronics

BENEFITS

- SWaP
- Removable Storage Module
- Secure Data Storage
- High Computing Performance
- Flexible and Scalable
- Rugged Design

Processor & Memory
- Latest generation Intel Xeon-E CPU
- Up to 32GB DDR4 SDRAM with ECC

Front Panel Connections
- 7x Gigabit Ethernet
- 2x USB 3.0, 6x USB 2.0
- RS-232, RS-422, GPIO, Audio In/Out
- 2x DVI-D, 1x VGA
- 1x CAN Bus interface
- 1x Power

Storage
- Up to 40TB removable solid-state storage

Data Security
- AES 256bit (option)
- Certified FIPS 140-2 encryption inside

Operating System
- Linux or Windows

Operating Temperature
- 0°C to +50°C standard temperature
- -46°C to +71°C extended temperature

Shock and Vibration
- MIL-STD-810

Sand and Dust
- MIL-STD-810

Fungus
- MIL-STD-810

Water Proofing
- IP66

EMI/RFI
- MIL-STD-461

Humidity
- Up to 100%, condensing

Size, Weight & Power
- Size: 300 x 225 x 150 mm
- Weight: TBD kg (min. configuration)
- Power, idle: 40 W

Power Supply
- 12-40V DC wide input

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
- USB Docking
- RDM for GVC
- PDS

Galleon Embedded Computing

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