

GRIP Epsilon SAVP

Model V4/GRIP/229/100



GRIP Epsilon Situational Awareness Video Processor variant with removable drive option



Hardware

- Intel Core i7 -3612QM Quad Core Processor
- MIL-DTL-38999 connectors
- Integrated Intel HD 4000 Graphics
- 8GB DDR3 memory
- 60GB SLC SSD

I/O Connections

- Display -DVI-D and VGA
- Serial - 2x RS422 and 2x RS232, electrically isolated
- USB - 4x USB 2.0
- Ethernet - 2x 10/100/1000Base-T
- 4 x NTSC/PAL analog video inputs

Environmental

- Sealed to IP67
- Operating temperature -40°C to +71°C
- Storage temperature -40°C to +85°C
- Designed to meet harsh environmental conditions, including MIL-STD-810G, RTCA/DO-160G, MIL-STD-1275B and MIL-STD-461F

Power

- Power - DC 20V to 36V
- Power consumption - <100W (CPU load dependent)

Operating Systems -Options

- Microsoft Windows® Embedded Standard 7

Mechanical

- Weight 14.0lbs, 6.3kg
- Dimensions : 275 mm x 240 mm x 111 mm

Part Number for ordering

- The GRIP Epsilon SAVP variant is part number: "V4/GRIP/229/100 Rev 4"

Rugged PC

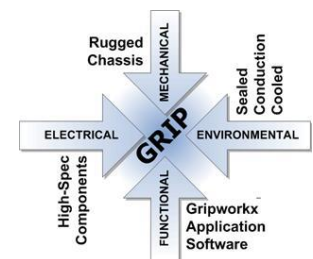
The GRIP Epsilon is a true commercial off the shelf (COTS) high performance rugged computer system which is targeted at applications that require high-end real-time processing in harsh environments within an extended operating temperature range.

The GRIP Epsilon combines the latest 4th^d generation Intel Core i7 Mobile Processors with high performance Intel HD Graphics.

The GRIP chassis provides an IP67 sealed enclosure for the internal COTS hardware technology. Within the chassis a combination of convection and conduction cooling ensures minimal heat stress of the components.

Application areas of this technology include security, automotive, transportation, oil and gas, nuclear, military and aerospace sectors.

The GRIP architecture integrates the four key elements of embedded design:



GRIP Options

Video Capture

The GRIP Epsilon can be supplied with a wide range of analog and digital video capture interfaces, including

- RGB, PAL/NTSC, HD/SDI/CameraLink
- HD/SDI (SMPTE 292) up to 1080p resolution
- DVI, CameraLink, Firewire, GigE Vision and others

Additional I/O

- Custom front panel configurations
- MIL-STD-1553 and ARINC 429 interfaces
- Additional Serial, USB, and LAN ports
- GPIO, WiFi, GPS and others

Additional Storage

- Removable or fixed additional SSD, maximum of 256GB SLC type or 512GB MLC type
- External storage via front panel SATA connector

Vision4ce Software

The GRIP Epsilon is fully compatible with

- DART video tracker
- GRIPworkx
- GRIP-VMS
- DVR software