TRUPER© 210 HP

✓**RoHS** FC C E

Commercial off-the-shelf (COTS) High-Performance Rugged Computer System

The TRUPER family offers the most current intel CPU and GPU processors with the flexibility to change out electronics such as frame grabbers, video processors, extra memory, storage or other communication devices. The TRUPER chassis provides a sealed, customizable enclosure for the latest COTS hardware technology. Within the chassis, natural cooling is used to provide efficient transfer from the internal electronics to minimize component heat stress. The unit is designed to ensure reliable operation in harsh environments at sea, on land and in the air where the unit is subjected to EMI, shock, vibration, and extended operating temperatures.

Component Specifications

Processor & Graphics
- CPU: Intel 9th Gen i7 CPU and Intel HD GPU
- NVIDIA GeForce 1080ti

Memory & Storage
- Up to 128 GB DDR4 SO-DIMM
- mSATA3 SSD 60GB up to 4TB
- Removable 2.5: SSD

Display
- 2 x DVI

I/O
- 1 x LAN: RJ45 GIGe Network
- 1 x USB 3.1
- 1 x 100Gbe QFSP 28

OS Support
- Windows Embedded, Win 10 IoT, or Linux (64Bit)

Power Input
- Terminal Block 2-pin
- +10 to +38 VDC Input, Support ATX Function. For processor power consumption <75W
- 110 / 230VAC 50/60Hz Input (Optional)

Connectors
- 38999 sealed "mil-spec"
- Commercial IP 67 Available

Certifications
- CE, FCC Class A

Mechanical
- 9.8(250) x 12.8(325) x 4.9(125) in(mm) HxDxW
- 13.35 Lbs. / 6 Kg.

Hardware Monitor
- Integrated Watchdog Timer 1~255 second settings

Environmental[1]
- MILSTD 810, Operational Temperature, Method 501, Procedure I/II: -10°C to +80°C, capable of -40°C to +85°C with select processors. Storage: -40°C to +85°C
- MIL-STD-810, Humidity, Method 507, Procedure II: 240 hours with humidity kit
- MIL-STD-810, Altitude, Method 500: 10,000ft operation, 20,000ft transport
- MIL-STD-810, Vibration, Method 514, Procedure I: 1.5 GRMS, 5-500Hz, 75 min/axis
- MIL-STD-810, Shock, Method 516, Procedures I/V: 20g, 11msec; 3 axes, each direction
- Electromagnetic Compatibility Standards FCC Class A
- Mil-STD-461F, with specific kits for air/ship applications

[1] Production units

Options
- Up to 8x RJ45 GIGe Network
- mSATA x2
- Mini PCIe x2
- HD/SDI, Camera-Link, or 4x Analog NTSC/PAL
- GPIO – PWM / Analog / Digital
- Serial: DB9 X2 for RS232/422/485
- 2nd Removable 2.5" SSD op
- Audio: Mini Phono Jack X2 for Mic-In and Line-Out
- Digital: DB9 Female X1 for DI X4 & DO X4 (TTL, DO Max 100ma) – optional
- Global Positioning System (GPS)

Ordering Information:
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