

# TRUPER<sup>®</sup> 110



## 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 106 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 ensures heat stress of the components. 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 6<sup>th</sup> Gen i7-6822EQ, Intel HD 530 GPU
- NVIDIA GTX950M GPU Option Available
- RADEON GPU Option Available
- HDMI X1

✓RoHS

### Memory & Storage

- 32GB DDR3 SO-DIMM
- mSATA3 SSD 60GB to 4TB
- Removable 2.5" SSD

### Display

- HDMI, Clone, Independent, Extend (optional)

### I/O

- 2x LAN: RJ45 GIGe Network
- Serial: DB9 X2 for RS232/422/485
- 2x USB 3.0, 4x USB 2.0
- GPIO – PWM / Analog / Digital

### 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)

### Hardware Monitor

- Integrated Watchdog Timer 1~255 second settings

### OS Support

- Windows Embedded (All), Win 7 Pro, Win 10 IoT, Linux (64Bit)

### Connectors

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

### Certifications

- CE, FCC Class A

### Environmental<sup>1</sup>

- 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

### Video Capture Options

- HD/SDI, Camera-Link, or 4x Analog NTSC/PAL

### Expansion Options

- mSATA x2
- Mini PCIe x2
- 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)
- Power output +5VDC 50W / +12VDC 120W DC Output, 5A
- Up to 8x RJ45 GIGe Network

### Ordering Information:

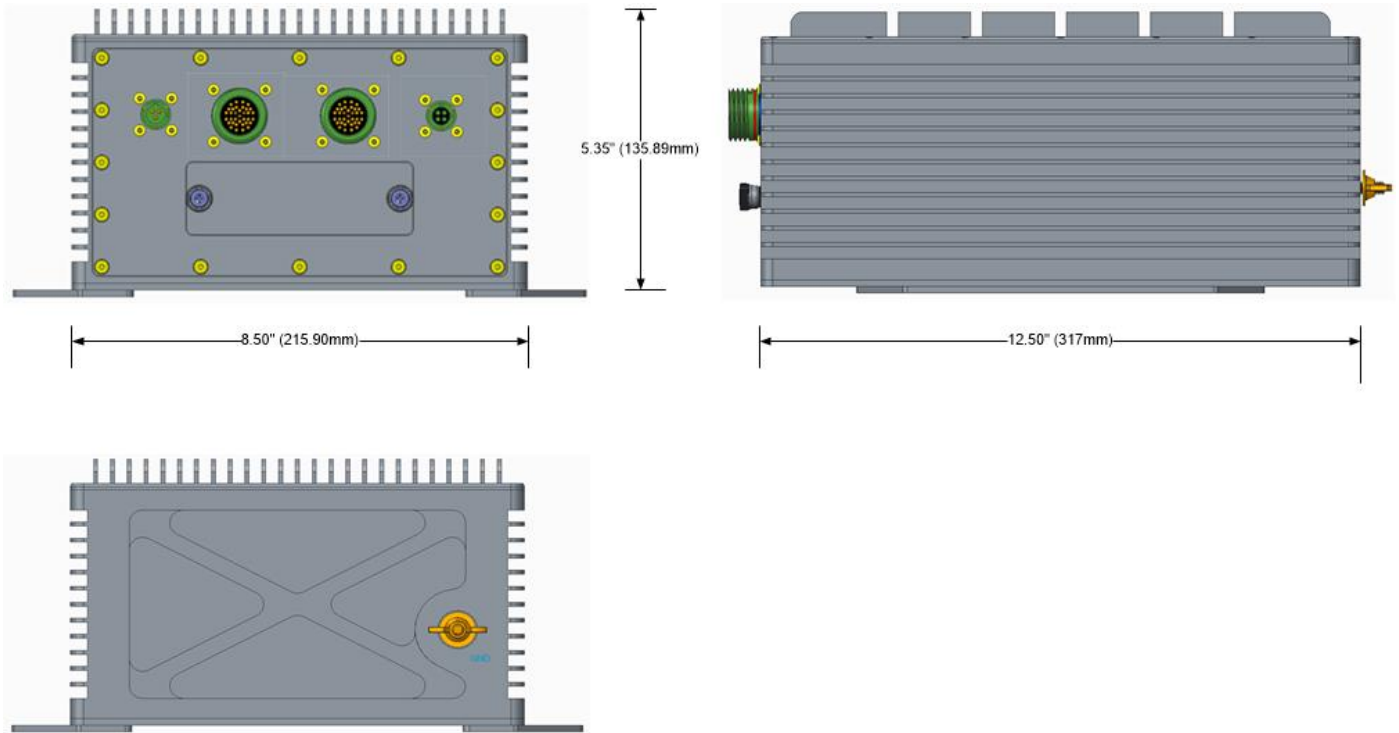
Model: V4/TRUPER/110/100

Contact: US +1.410.384.9181

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## Mechanical

- 7.50" (190.5) x 4.50" (109.22) x 12.50" (317.5)
- 13.35 Lbs. / 6 Kg.



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