

TRUPER[®] 106



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, highly customizable enclosure for the latest COTS hardware technology. Within the chassis, natural cooling is used to provide efficient transfer from the internal electronics to the enclosure. This ensures heat stress of the components is kept to a minimum. 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 4th Gen i7-4700QE, Intel HD4600 GPU
- CPU: Intel 6th Gen i7-6822EQ, Intel HD 530 GPU
- NVIDIA GTX970M GPU Option Available

Memory & Storage

- 16GB DDR3 SO-DIMM X2, max. capacity 32 GB
- mSATA SSD 60GB to 1TB
- HDMI X1, DVI-I X1, VGA X1

Display

- Clone, Independent, Extend
- VGA+HDMI, VGA+DVI (up to 2 independent displays)

I/O

- LAN: RJ45 GIGe Network
- Audio: Mini Phono Jack X2 for Mic-In and Line-Out
- Serial: DB9 X2 for RS232/422/485
- Digital: DB9 Female X1 for DI X4 & DO X4 (TTL, DO Max 100ma) – optional
- USB 2.0 Type A X2 / USB 3.0 X2
- GPIO – PWM / Analog / Digital
- Global Positioning System (GPS)

Power Input

- Terminal Block 2-pin
- +10 to +32 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

Certifications

- CE, FCC Class A

OS Support

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

Connectors

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

Environmental¹

- MILSTD 810 , Operational Temperature, Method 501, Procedure I/II: -10°C to +55°C, capable of -40°C to +71°C with select processors. Storage: -30°C to +75°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

- AVerMedia CM313B
- MAGEWELL XI100

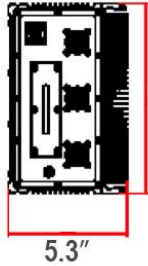
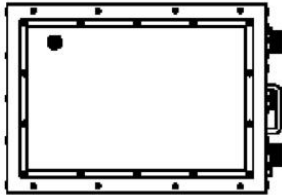
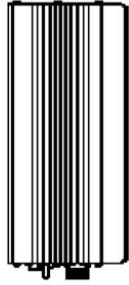
Expansion Options

- 1 full PCI slot
- Second removable 2.5 " SSD, optional

Mechanical

- Dimensions: 12.2" deep x 8.9" wide x 5.3" high (310 x 226 x 135 mm)
- Weight: 11.5 lbs (5.1 kg)

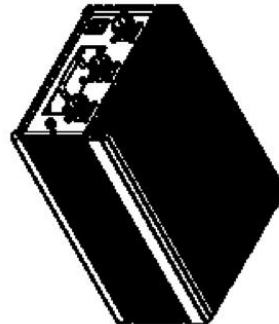
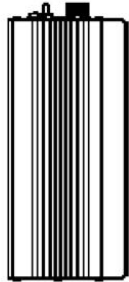
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8.9"

5.3"

12.2"



FC CE
✓RoHS

Ordering Information:
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