

TRUPER® 102



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

The TRUPER® family offers the flexibility to change out electronics such as frame grabbers, video processors, extra memory, storage or other communication devices. The TRUPER® chassis provides a customizable enclosure with a removable SSD and 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 air, land and sea platforms where the unit is subjected to shock and vibration as well as extended operating temperature ranges.

Component Specifications

Processor

- 3rd gen i7 - 3612QE Quad Core, HD 4000 GPU

Chipset Hub

- Intel HM65

Memory

- 8 GB DDR3 SO-DIMM, max. capacity 16 GB

Storage

- 2.5" SSD/HDD internal SATA-DOM x1
- Removable SSD drive bay x1

Ethernet Controller

- Intel82574L X2

Input/Output

- LAN RJ45 10/100/1000 Mbps x 2
- HDMI X1, DVI-I X1, VGA X1
- VGA+HDMI, VGA+DVI
- Dual Display Mode: Clone, Independent, Extend
- Audio: Phone Jack X2 for Mic-In and Line-Out
- RS232/485/RS422 x 1, RS232 x 1 (DB9)
- Digital I/O: Female X1 (DB) for DI X4 &DO X4 (TTL, DO Max 100ma) – optional
- USB 2.0 X6

Power Input

- +18 to +36v Input, terminal block 2-pin Support ATX Function. For processor power consumption of up to 100W.

Hardware Monitor

- Integrated Watchdog Timer 1~255 second settings

OS Support

- Win7 Pro & Embedded, LINUX

Certifications

- CE, FCC Class A, RoHS



Environmental Standards¹

- MIL-STD-810
 - Operational Temp., Method 501, Proc. I/II: -10°C to +55°C, capable of -40°C to +71°C with select processors. Storage Temp., Method 501, Procedure I/II: -30°C to +75°C
 - Humidity, Method 507, Procedure II: 240 hours with humidity kit.
 - Altitude, Method 500: 10,000ft operation, 20,000ft transport.
 - Vibration, Method 514, Procedure I: 1.5 GRMS, 5-500Hz, 75 min/axis
 - Shock, Method 516, Procedures I/V: 20g, 11msec; 3 axes, each direction
- Electromagnetic Compatibility Standards¹ FCC Class A
- Mil-STD-461F, with specific kits for air/ship applications
 - Operating Temp: -20 to +55° C (Hi/Lo Tested)
 - Storage Temp: -40 to +70°C

Note 1 - Designed to meet

Expansion Options

- GT630 GPU for enhanced graphics processing.
- Dual PCIe for functional add-ons like NVIDIA GPU, CameraLink, HDSI, communications, etc.
- ARINC 429 / 1553

Mechanical and Dimensions

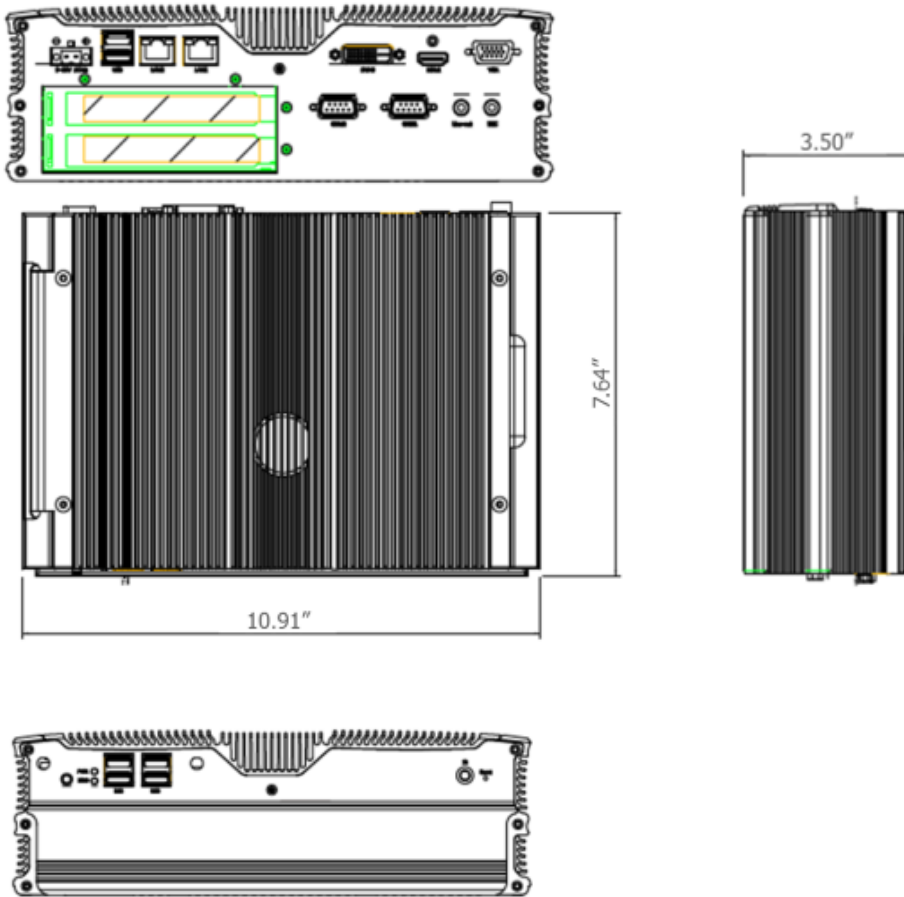
- ~11 lbs (4.9 kg)
- 10.91" deep x 7.64" wide x 3.5" high
277 x 194 x 89 mm

Ordering Information:

Model: V4/TRUPER/101/102
Contact: US +1.410.384.9181
info@vision4ce.net

Dimensions

10.91" deep x 7.64" wide x 3.5" high
277 mm x 194 mm x 89 mm



Removable SSD not pictured

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