

# GRIP Development Unit

## General-purpose Rugged Integrated Processor



### Hardware

- Latest generation Intel Core i7 Mobile Processor
- NVIDIA GTX 1050Ti
- Up to 64GB DDR3 memory
- 60GB – Up to 4TB SATA III solid state hard drive (MLC or SLC)

### I/O Connections

- DVI-I, HDMI, or Display Port
- Serial –1 port, RS232 / 422 / 485 capable, DB9 –1 port, RS232 only, DB9
- USB – 4 USB 2.0 or 3.0 (option) ports
- Ethernet – 2 ports, 10/100/1000Base-T, RJ45

### Power

- Power – DC 18V to 32V or 90-264VAC
- Power consumption <120W (CPU/GPU dependent)

### Operating Systems

- Microsoft Windows 7 or 10 (32/64 bit)
- Ubuntu or CentOS Linux (32/64 bit)

### Mechanical

- Weight 8 lbs
- Dimensions ~16.0" x 9" x 7"

### EMC

- EN55022 Class A, EN55024
- Part 15, Class A

### GRIP Development Unit

The GRIP PC Development Unit (DU) is a desktop version of the rugged GRIP model and is used for product application development and lab testing by using the same components (e.g. motherboard, CPU, GPU, and I/O) as the rugged unit and is therefore functionally comparable.

This variant of the GRIP DU mirrors the Rugged GRIP and is configured as close to the actual hardware as possible without imposing the costs and delays that might be associated with a fully ruggedized system.

### GRIP Options

#### Video Capture

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

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

#### Additional I/O

- Custom front panel configurations
- MIL-DTL-38999 connectors
- MIL-STD-1553 and ARINC 429 interfaces
- Additional Serial, USB, and LAN ports
- GPIO, WiFi, GPS and others

#### Additional Storage

- Up to 2 additional SSDs, each 4TB maximum
- External storage via front panel SATA connector
- Removable single drive option

#### Vision4ce Software

The GRIP Delta is fully compatible with

- DART video tracker
- GRIPWorkx
- GRIP-VMS
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- DVR software
- DCX Video Compression and Streaming