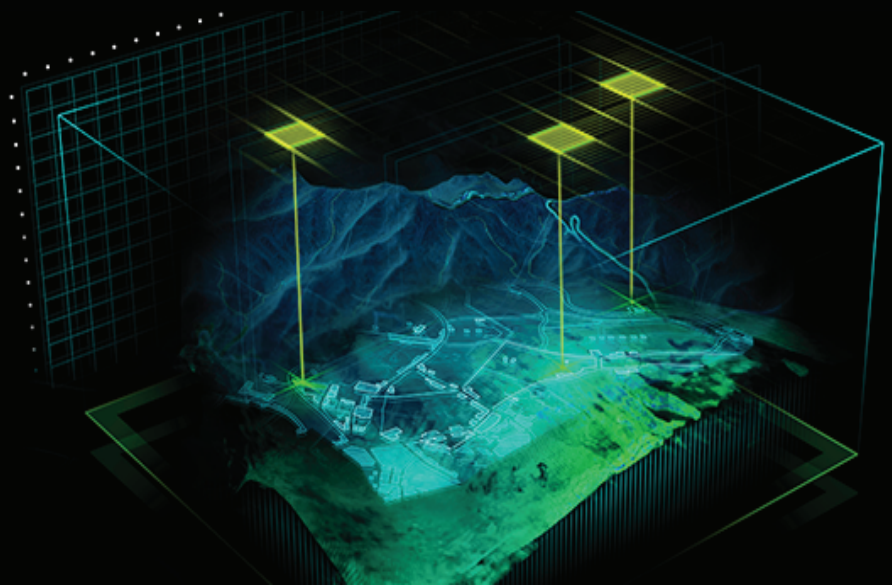


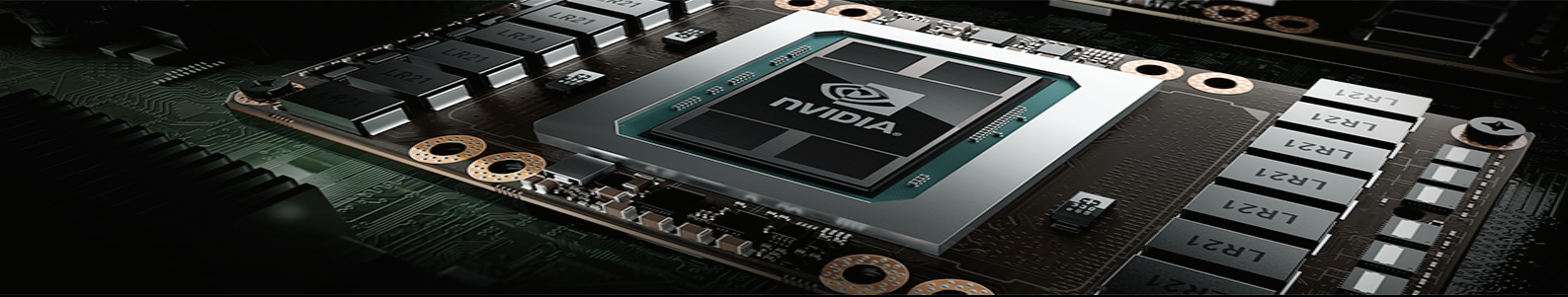
Rugged GPGPU Based Computer (HPEC)

GP-RCX9W



- Rugged COTS computer with Intel® Xeon® E-2278GEL 8 Cores Up to 3.9 GHz processor
- NVIDIA® Quadro Embedded T1000 GPU supports 896 NVIDIA® CUDA® Cores , 4GB GDDR6 memory
- Supports 4x Independent Display (DVI-I/DisplayPort/HDMI)
- 18-36V DC MIL-STD-1275/704 Power supply with Voltage transient protections
- Design for reliability under demanding MIL-STDs Thermal Shock, Vibration, Humidity/EMI/EMC conditions
- Rugged Small Form Factor Conduction-Cooled aluminum chassis with Amphenol MIL-DTL-38999 connectors
- Operating temperature range : -40°C to +70°C
- Environmentally Sealed (IP67)
- MIL-STD 810G, MIL-STD 461, MIL-STD-1275, MIL-STD 704 compliant





Model: GP-RCX9W



Specification:

Processor & RAM:

Intel® Xeon® E-2278GEL 8 Cores Up to 3.9 GHz Processor
DDR4-2666MHz up to 64GB RAM

GPU:

NNVIDIA® Quadro® T1000 Embedded Graphic, 896 NVIDIA® CUDA® Cores, 4GB GDDR6 Memory

Video Input:

4x Independent Display Ports /HDMI /DVI outputs (Interface selection by request)

Frame Grabber:

Single or Dual channel HD-SDI Frame Grabber with flexible capture resolution up to 1080p30/1080i 60

Network:

2x Gigabit Ethernet (1 x Intel I210 & 1 x I219-LM GbE)
Optional extension for WiFi, BT, 4G LTE, GPS

I/O:

2x RS232/422 /485, 4x USB2.0 ports;
Optional extra 4x USB3.0 5Gbps or USB3.2 Gen2 10Gbps Ports
2x Gigabite LAN
Realtek® ALC888, High Definition Audio

Storage:

Up to 3x mSATA SSD Slots and 2x 2.5" SSD Internal Storage Support

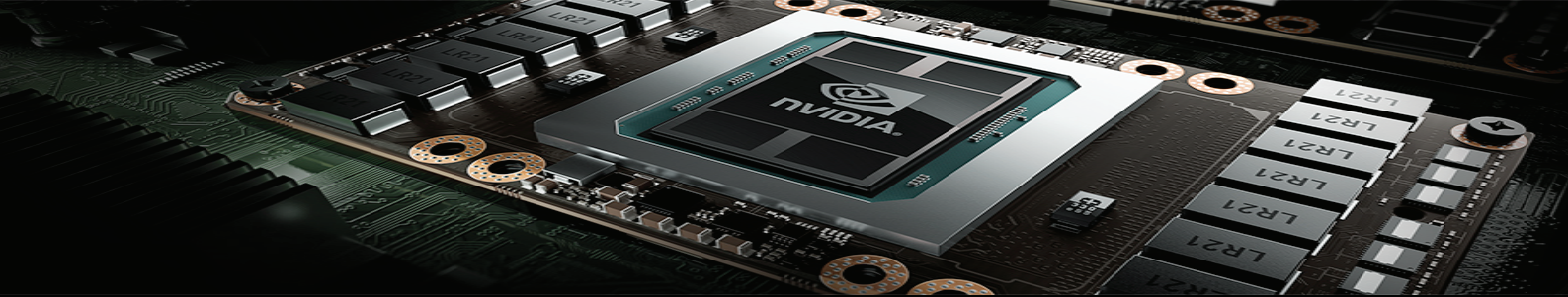
Power Requirements:

Wide range input +18V to +36V DC
Reverse polarity protection. Overload protection and transient voltage suppression

Environmental:

Full IP67 water dust proof, anti-corrosion housing
Extended operating temperature -40°C to +70°C
Storage temperature : -45°C to 85°C
Operational Altitude (20,000ft) MIL-STD-810G, Method 500.5, Procedure II.
Humidity: MIL-STD-810G, Method 507.5, and Procedure II.
Sand and Dust: MIL-STD-810G, Method 510.5 Procedure I (Dust) & II (Sand).
Fungus: MIL-STD-810G, Method 508.6.
Vibration: MIL-STD-810G method 514.6, procedure I.
Mechanical Shock: MIL-STD-810G, Method 516.6 Procedure I & V.
EMC /EMI : MIL-STD-461F CE101,CE102, CS101, CS114, CS116,
RE101,RE102. Designed to comply with MIL-STD-704 and MIL-STD-1275





Model: GP-RCX9W

Mechanical Drawings:

POWERED BY
NVIDIA® QUADRO®

