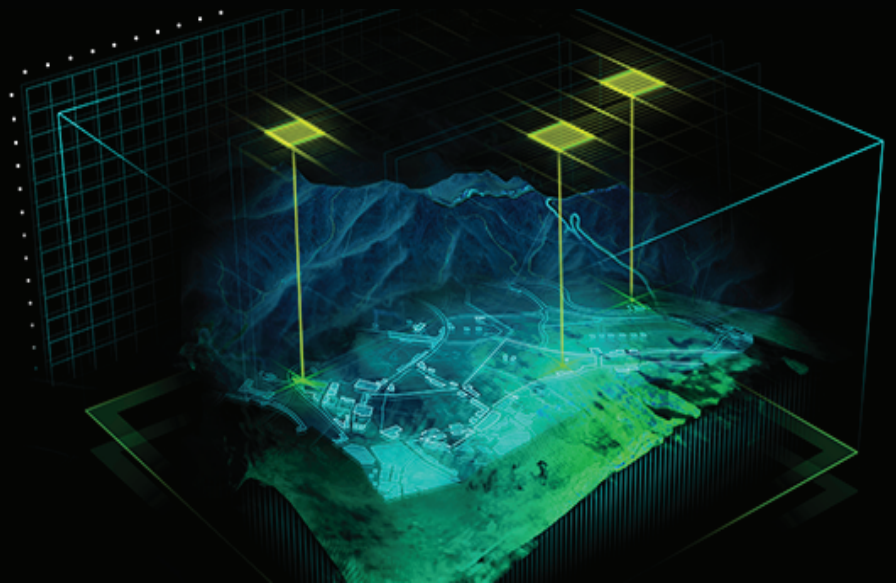


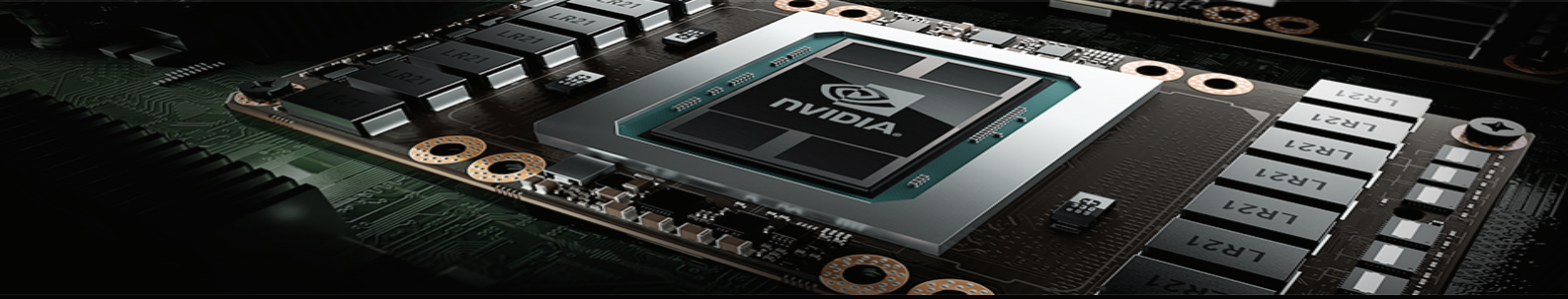
Rugged GPGPU Based Computer (HPEC)

GP-RC9W



- Rugged COTS computer with Intel® Core™ i7-9850HE Processor (9M Cache, up to 4.40 GHz)
- Nvidia Quadro RTX 3000 6GB GDDR6 memory, 1920 CUDA cores, independent displays by 4 x DP/DVI/HDMI
- 9-36V 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-RC9W



**GEFORCE
RTX™ STUDIO**



Specification:

Processor & RAM:

Intel® 9th Gen. Coffee Lake® Core™ i7-9850HE, 6 Cores, 9M Cache, 2.7GHz (4.4GHz) Processor
DDR4-2666MHz up to 64GB RAM

GPU:

NVIDIA Quadro RTX3000 1920 CUDA cores, 30 RT cores and 240 Tensor cores, 6GB GDDR6 memory

Video Input:

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

Frame Grabber (Optional) :

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

Network interface:

2x Gigabit (10/100/1000) Ports

Optional extension for GPS Receiver:

Supports GPS, GLONASS, Galileo, and QZSS.

Interfaces:

2x RS232/422; 4x USB 2.0 (2x extra USB3.0 ports optional)

DIO 4 in /4 out

All I/O's through MIL 38999 Connectors

Storage:

Up to 4TB Solid State Internal Storage

Power Requirements:

Wide range input +9V to +36V DC

Environmental:

Full IP67 water dust proof, anti-corrosion housing

Extended operating temperature -40°C to +70°C

Storage temperature : -50°C to 85°C

Operational Altitude (25,000ft) 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).

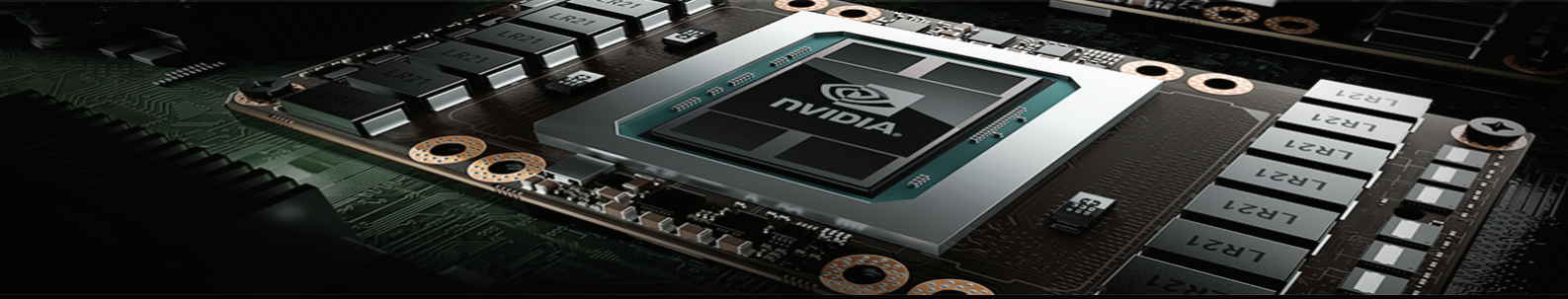
Fungus: MIL-STD-810G, Method 508.6.

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.





Model: GP-RC9W



Mechanical Drawings:

