RE3101: Rugged Embedded Computer

Rugged, MIL-SPEC Computers for Critical Mission Programs

Measuring less than 13 inches deep and with lightweight construction, the RE3101 is designed for physically constrained applications. Flight deck-ready Dzus mounting rails, MIL-CIRC I/O, and extended temperature operation make it perfect for aviation cockpits.

Designed to deliver high power with ultra-quiet computing capabilities in a small footprint, the RE3101 is ideal for running geospatial mapping and airborne applications.

Using the 11th Generation Intel Core i7 processor, the RE3101 has high compute performance with low power and many security features. While only consuming up to 28 W of power, the RE3101 can deliver compelling SWaP advantage over legacy single-core CPUs with a separate GPU chip.

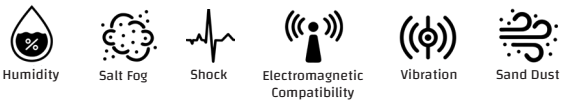
Key features

- Powerful high-performance data collection, processing and storage
- Compact and lightweight form factor 4.8 lbs. (2.2 kg)
- Less than 13-inches (33 cm) deep for compact environments
- Optimal thermal performance (-40°C to +55°C)
- Com Express Type 6 system board with discrete TPM
- 16 GB DDR4
- One removable SATA SSD
- One mini PCIe expansion port
- MIL-CIRC I/O
- Front-mounted indicator lights

Mechanical specs

- Height: 2.4" (6.1 cm)
- Width: 5.7" (14.5 cm) with mounting
- Depth: 12.6" (32.0 cm) excluding connectors, ground stud, or drive carrier protrusions
- Weight: 4.8 lbs. (2.2 kg)
- Power: 18-36VDC (90W) with MIL-STD-461 filter, MIL-STD-704

Designed to MIL-STD-810



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