



RUGGED RPS217D LAPTOP

Military-Grade Rugged Laptop

The **RPS217D** is a rugged 17.3" portable server built from machined aircraft-grade aluminum, delivering server-class performance in a compact, deployable form. Designed for harsh environments, it meets MIL-STD 810 and 461 standards, offering resilience against shock, vibration, temperature extremes, and EMI. Swap-optimized for C2 on the move operation, ideal for field-ready operations.

Powered by the latest Intel® Xeon® scalable processors and supporting up to 128GB DDR4 ECC memory, the RPS217D includes dual hot-swap SSD bays, a high-brightness FHD display, and triple smart batteries for extended use. With an operating range from -15°C to +55°C and optional filtering for EMC compliance, it's a powerful, mobile solution for defense, aerospace, and tactical edge applications.

- Application-specific design
- Tested to meet military standards
- Built in the USA

Featured Specifications

Dimensions

Height: 4.00" | Depth: 11.40" | Width: 16.50"

Display

17.3" HD LCD

CPU

Latest Intel Xeon Scalable Processor

RAM

Up to 128GB

Power

Power options available



Technical Specifications

Dimensions

Height: 4.00 inches, Width: 16.50 inches, Depth: 11.40 inches
Weight: 12.60 lbs

Display

17.3" HD LCD

Resolution

1920 × 1080

CPU

Latest Intel Xeon Scalable Processor

RAM

128GB

Power

AC adapter (120W, 100-240V, 50/60Hz)

Storage SSD

Dual hot-swappable SSD drives
15.36TB NVMe SSD

Input Interface

Integrated membrane keyboard
Onboard CAC reader

Brightness

500 cd/m² (NITS)

Color Depth

16.7M

Chassis

Lightweight aluminum chassis

Environmental Specifications

Operational Temperature

MIL-STD-810F, Method 501.5, Procedures I; -15°C to +55°C

Storage Temperature

MIL-STD-810F, Method 501.5, Procedures II: -55°C to +85°C

Humidity

MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude

MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration

MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-2000Hz, 60 min/axis

Shock

MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC

MIL-STD-461F: CE & RE emissions

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Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.

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