



## RUGGED RPS417 LAPTOP

Introducing the Rugged RPS417—a high-performance, ruggedized laptop engineered to meet the demands of military and industrial applications in extreme environments.

This robust portable workstation combines cutting-edge hardware with durable construction to ensure reliability and efficiency in mission-critical scenarios.

- Optional 64 to 96-core Intel Xeon CPU for unmatched processing power
- 1TB DDR5 ECC RAM for high-speed multitasking
- Total of 76.8TB NVMe SSD storage capacity
- Built-in smart card CAC reader
- 17.3" FHD display with bonded anti-reflective glass
- Rugged industrial membrane keyboard

### Featured Specifications

#### Dimensions

Height: 3.5" Width: 16.25" Depth: 11.8"

#### Weight

25 lbs

#### Screen Size

17.3"

#### Form Factor

Rugged Portable Laptop

#### Chassis Material

Aircraft-Grade Aluminum



## Technical Specifications

### Dimensions

Height: 3.5 inches, Width: 16.25 inches, Depth: 11.8 inches

### Screen Size

17.3" TFT LCD

### Native Resolution

1920 × 1080 pixels (Full HD)

### Brightness

500 cd/m<sup>2</sup> (NITS)

### Protective Glass

Anti-reflective, optically bonded

### Input Interface

Integrated membrane keyboard and CAC reader

### CPU

Optional 64 to 96-Core Intel Xeon Gold 6740E, 2.24GHz

### Memory

2TB DDR5 5600MHz ECC RDIMM

### Storage

(1) 15.36TB NVMe SSD

(2) 30.72TB NVMe SSD

### Power Supply

AC Power Input (Adapter-Rated)

## Environmental Specifications

### Operational Temperature

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

### Storage Temperature

MIL-STD-810F, Method 501.5, Procedures I/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: 4.43 GRMS, 5-20000Hz, 60 min/axis

### Shock

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

### EMC

MIL-STD-461F: CE & RE emissions

## Work With Core Systems Today

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.

### Core Systems

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