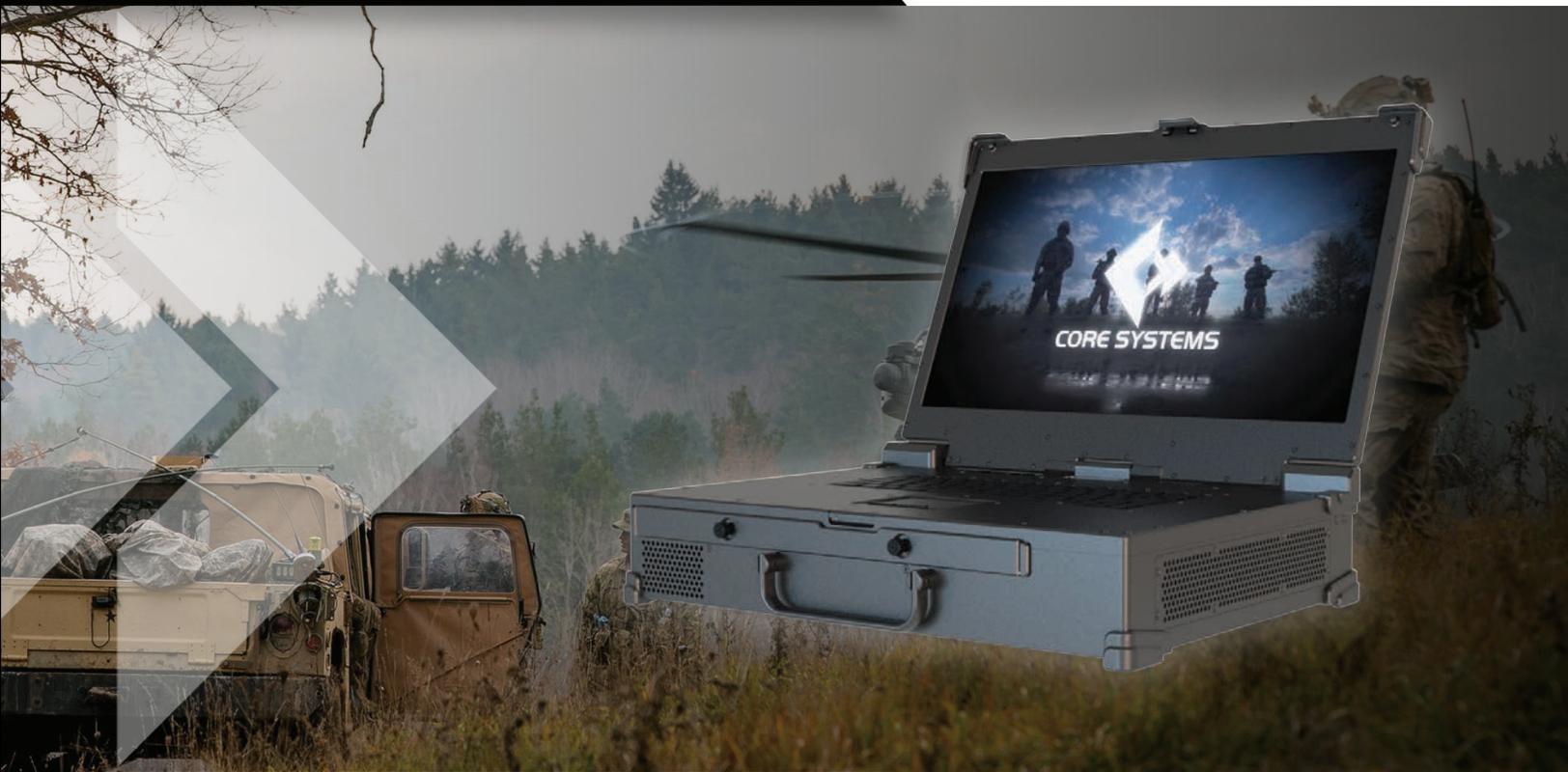**CORE SYSTEMS**

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

CORE SYSTEMS

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/m² (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)

Enviromental 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.

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