

RUGGED RPS317 RUGGED PORTABLE SERVER

MILITARY-GRADE PORTABLE COMPUTER

The Core Systems RPS317 is a rugged MIL-Spec 16-Core portable server with 2x the CPU performance of the previous 16-Core RPS217(D), and 4x the onboard memory in a smaller, lighter chassis. The RPS317 portable server has a 17.3" HD LCD, upgraded 16-Core Xeon CPU, upgraded 512GB RAM with dual SSD drives. The Core Systems RPS317 is unrivaled in rugged laptop performance.



CUSTOM BUILT RUGGED SYSTEM



16X CORE XEON CPU

- AIRCRAFT ALUMINUM CHASSIS
- INTEL XEON TECHNOLOGY
- MIL-SPEC TESTED
- BUILT IN THE USA



The Core Systems RPS317 portable server is engineered for high shock/vibration and wide temperature. The onboard Intel Xeon 16-Core processor provides true server-class performance in a compact rugged portable form factor with onboard UPS battery backup.

For more info on the Rugged RPS317, please visit www.core-systems.com

unitronix
THE EMBEDDED EDGE

130 Aztec West, Bristol, BS32 4UB
+44 (0)1454 629679
sales@unitronix.co.uk www.unitronix.co.uk

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TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 3.14 in (7.97 cm), Width - 16.65 in (42.29 cm), Depth - 11.4 in (28.9 cm) Weight - 16.41 lbs (7.44 kg)
CPU	Intel® Xeon® processor D-2183IT; 16-Core, 32 Threads; Intel® Hyper-threading with Turbo Boost (Optional 12 & 8-Core CPU configurations)
MEMORY	Supports up to 512GB ECC RAM
STORAGE	Qty 2, 2.5" SSD Drives (Supports 3.84TB, 7.68TB, 15.36TB capacity SSD drives) FIPS 140-2 Options Available Onboard CAC reader
TPM	TPM 2.0 Module Standard (Optional FIPS 140-2 Module)
KEYBOARD/MOUSE	IP65 rated keyboard and Touchpad
POWER	AC adapter (120W, 100-240V, 50/60Hz); Triple Li-Ion Smart Batteries (6600mAh each)

ENVIRONMENTAL SPECIFICATIONS

OPERATIONAL TEMP.	MIL-STD-810F, Method 501.5 Procedures I/II; -15°C to +55°C
STORAGE TEMP.	MIL-STD-810F, Method 501.5, Procedures I/II; -55°C to +85°C
HUMIDITY	MIL-STD-810F, Method 507.4; 48 Hour, 95% RH 40-65C (with conformal coat option)
ALTITUDE	MIL-STD-810F, Method 500.4; 12,500ft operation with 40,000ft transport
VIBRATION	MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-20000Hz, 60min/axis
SHOCK	MIL-STD-810G, Method 516.6, Procedures I/V; 20g, 11msec - functional shock; 40g, 11msec crash hazard shock
OTHER	MIL-STD-461F CE & RE emissions (with 461 filter option)

ABOUT US

Core Systems is a premier manufacturer of best-in-class rugged computers and rugged displays. We design and manufacture all of our products in Poway, California. Our 85,000+ square foot facility features onsite engineering, assembly, and testing along with a complete metal fabrication and machining facility. Our wide range of rugged products are deployed in ground vehicles, aircraft, and maritime installations worldwide.