The RPC417 from Core Systems is a portable rugged computer with a 17" LCD and an aluminum alloy construction designed to withstand harsh environments. The rugged 17" LCD includes a 1280 x 1024 (SXGA) native resolution with an anti-glare hard coat. This system has two 120 x 25mm @95 CFM internal cooling fans with a removable and cleanable cooling fan air filter.

The RPC417 has a rugged, rubber hand grip on the top of the system. The keyboard includes quick release hinges for easy keyboard removal. The integrated, detachable 97-key keyboard can support a touchpad or multiple other keyboards.

- Supports ATX motherboard or SHB/Passive Backplane configuration
- Supports Intel Core i7 or Intel Xeon E5-2600 series processors
- Supports single and dual redundant power supplies in either AC and DC inputs

Features

- CCA vibration hold-down brackets
- SHB vibration hold-down mechanism (front and rear)
- **FOR SHB SYSTEMS**
- Front panel Indicators: Power on and Disk Activity
- Front Panel Reset Switch
- Two USB ports available on front panel and two USB ports available on side panel
- Color – Black (front, top and sides)
- Up to four (4) removable hot swap SATA or SAS 2.5" HDDs
- One (1) slim line CD/DVD (R/W) or Blu-ray ODD

Picture for reference only. I/O Panel, LCD Size, Keyboard and Motherboard/SHB is customizable
Technical Specifications

Military Standards: Operational Temperature: MIL-STD-810F, Method 501.5 & 502.5 Procedure I/II; -0°C to +55°C
Storage: MIL-STD-810F, Method 501.5 & 502.5 Procedure I/II; -20°C to +65°C
Humidity: MIL-STD-810G, Method 507.5; 48 Hour, 95% RH 30-55C
Altitude: MIL-STD-810G, Method 500.5, Procedure I; 10,000ft operation, 40,000ft transport
Vibration: MIL-STD-810G, Method 514.6, Procedure I; Operating: 1.25Grms @ 10-100Hz, Non-operating: 3.0Gmrs @ 10-100Hz
Shock: MIL-STD-810G, Method 516.6, Procedures I/V; Operating: Lab Bench drop test
Other: All sub-components are ROHS compliant

Mechanical: Height - 15.40 in (13.11 cm), Width - 17.40 in (44.19 cm), Depth - 7.60 in (19.30 cm), Weight - 25-30 lbs (11.3-13.6 kg)

Display Size: 17” Diagonal

Native Resolution: 1280 X1024 (SXGA)

CPU: Intel Core i7 or Intel Xeon E5-2600 series processors

Cooling: Two 120 x 25mm @ 95 CFM internal cooling fans

Power Supply: 400W

Services

Let Core Systems help guide you and your business through the rapidly changing IT landscape. Core Systems Services delivers confidence, reduces risk, and helps you realize greater agility and stability.

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 55,000+ square foot facility features onsite engineering, assembly, and testing along with a complete metal fabrication and machining facility. Core Systems is one of the only vertically integrated rugged computer manufacturers in the nation. Our diverse family of rugged products are deployed in ground vehicles, aircraft, and maritime installations worldwide.

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