



## RUGGED PCC MISSION COMPUTER

### Military-Grade Tactical Computer

The **PCC** is a rugged, sealed mission computer from Core Systems built for performance in harsh military and industrial environments. Designed as a fanless, conduction-cooled system, it features a fully enclosed chassis for protection against dust, moisture, and extreme conditions. With an extended operating range of  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  and tested to military standards for shock, vibration, humidity, and EMC, the PCC is ideal for demanding tactical and mobile deployments.

Equipped with a 500GB solid-state drive in a removable carrier, the PCC delivers dependable performance with secure, serviceable storage. Its application-specific, military-grade design allows for customization to meet mission requirements, making it a compact and reliable solution for defense, aerospace, and field-deployed systems.

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

### Featured Specifications

#### CPU

Latest Intel CPU

#### Storage

One (1) 2.5" 500GB SSD drive

#### RAM

8GB

#### Power

28VDC

#### Chassis Type

Aircraft-Grade Aluminum



## Technical Specifications

### Dimensions

Height: 6.50 inches, Width: 11.00 inches, Depth: 11.00 inches  
Weight: 6.50 lbs

### CPU

Latest Intel CPU

### Power

28VDC

### RAM

8GB

### Storage

One (1) 2.5" 500GB SSD drive

### Cores

4-12x

### Chassis

Lightweight aluminum chassis

## 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: -15°C to +55°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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