

*Total Solution for Industrial, Rugged & Mil-Spec Computers and Peripherals*

## **MRC-508**

### **Rugged Computer cPCI/VME**

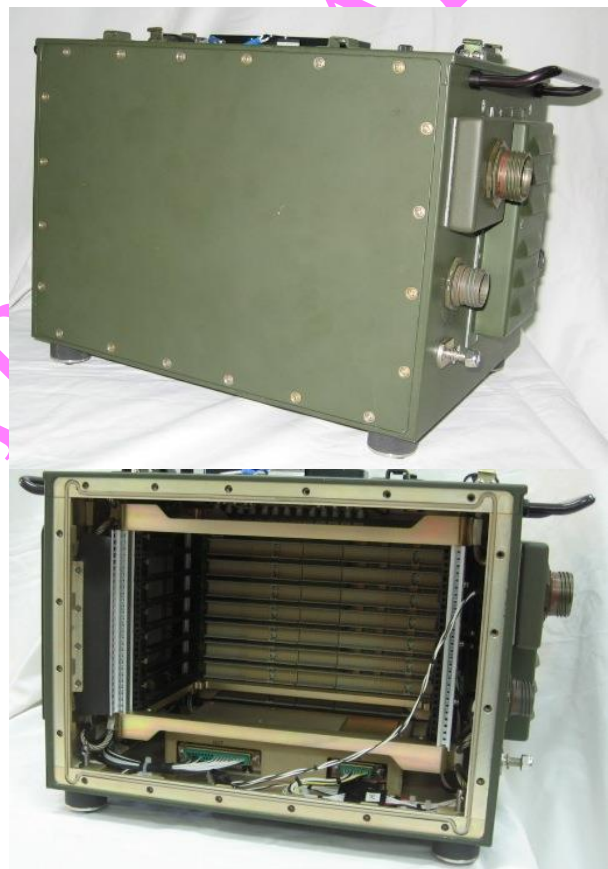
#### **FEATURES**

- PCB Cage – standard VME/cPCI rack, 7 slots
- Cor2Duo Host SBC support
- Memory up to 4 Gbyte.
- Passive Backplane
- Complete Array of Rugged Peripherals
- Rack Mount and Shock Tray Kits Available

#### **DESCRIPTION**

MILPER's MRC-508, is a high performance, ruggedized computer chassis designed specifically for military tactical, airborne, Naval and strategic applications. The computer is based on a passive cPCI/VME - backplane with Single Board Computer. It is PC compatible in a lightweight, environmentally resistant package.

The standard MRC-508 features a drip proof keyboard, a Removable 66 Gbyte Flash disk and 2 Gbyte of RAM. Standard interfaces include two serial RS-232, one parallel and one xVGA. Six slots accept cPCI modules that are available for all cPCI compatible computers. This allows for the attachment of a range of compatible peripherals, accessories and interfaces. The MRC-508 can run MS-



DOS, SCO UNIX, QNX, MS-WINDOWS or any other operating system designed for the PC.

The standard MRC-508 operates from 12/24VDC power source. With dimensions of only 7" high x 9.25" wide x 9.5" deep, the MRC-508 is ideally suited for outdoor field use. The MRC-508 can be fitted with a kit

with slides to satisfy those applications requiring rack mount option, or with table top mounting kit for applications requiring to survive tougher environments.

## PERFORMANCE UPGRADEABILITY

The MRC-508 passive Backplane allows an easy replacement of the CPU board to the state of the art processor board operating at the highest clock rate.

## OPTIONS

- 128 Gbyte SLC Flash Disk
- MIL-STD-1553 Interface
- HOO9 Interface.
- ARINC 429 Interface
- Video Frame Graber.
- IEEE 488 Interface
- 115/230 VAC 47-440 Hz Power.

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## ENVIRONMENTAL CHARACTERISTICS

### Temperature

Operating	-10 - +50°C
Intermittent	-20 - +65°C
Non Operating	-30 - +70°C

### Rain Proof

MIL-STD-810E Method 506.3 - drip

### Solar Radiation

MIL-STD-810G,  
Method 505.5  
Up to 700w/m<sup>2</sup>

### Humidity

MIL-STD-810G,  
Method 507.5  
95% RH

### Vibrations

MIL-STD-810E, Method 514.4,  
Cat 1.

### Shock

MIL-STD-810G, Method 516.5,  
Proc. I, -20-g 11ms. Saw Tooth

### Explosive

MIL-5400T

### EMI/RFI

MIL-STD-461

## PHYSICAL CHARACTERISTICS

DIMENSIONS 277 High x 330 Wide x 261 Deep

WEIGHT 8 Kg.

POWER 20-30 VDC

These specifications are subject to change without notice