

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

MRC-104

Rugged Computer

FEATURES

- Pentium Microprocessor Operating at 233 MHz.
- Memory to 64 Mbyte
- Modular Expandable Construction.
- Complete Array of Rugged Peripherals
- Tray Kits Available.

DESCRIPTION

MILPER's MRC 104 is a high performance, one piece ruggedized computer designed specifically for military tactical field and strategic applications.

The standard MRC-104 features a drip proof keyboard, up to 2 GB Flash Disk drive and 64 Mbyte of RAM. Standard interfaces include two serial RS-232, one parallel and one VGA. The modular construction of the MRC-104 allows for the attachment of a range of compatible peripherals, accessories and interfaces. The MRC-104 can run MS-DOS, SCO UNIX, QNX, WINDOWS 95 or any other operating system designed for the PC.



The standard MRC-104 operates from 20 - 30 VDC power source. With dimensions of only 4.5" high x 5.5" wide x 5.5" deep, the MRC-104 is ideally suited for embedded applications requiring to survive tough environments.

PERFORMANCE

UPGRADEABILITY

The MRC-104 allows an easy replacement or adding CPU or any PC-104 interface..

KEYBOARD

The MRC-104 features full-size, PC compatible QWERTY keyboard. The keyboard is drip proof, has full-travel keys with tactile feedback and integral pointing device.

OPTIONS

- Up to 2 Gbyte Removable Flash Disk
- MIL-STD-1553 Interface
- ARINC 429 Interface
- Small Computer System Interface (SCSI)
- PCMCIA Interface and Cradle.
- FLASH Disk on Chip - Memory .

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE

| | |
|----------------|--------------|
| Operating: | -18 - +55 °C |
| Intermittent: | -20 - +60 °C |
| Non Operating: | -30 - +71 °C |

HUMIDITY

| | |
|-------------------|--|
| Operating/Storage | MIL-STD-810C Method 507.1 Proc. I95% RH (non condensation) |
|-------------------|--|

VIBRATIONS

| | |
|-------------------|---|
| Hard Mount: | MIL-STD-810D, Method 514.3, Category 4, Table 514.3-II & Fig. 514.3-25A |
| Shock Tray Mount: | MIL-STD-810D, Method 514.3, Category 6. |

SHOCK

| | |
|------------|---|
| Operating: | MIL-STD-810D, Method 516.4, Proc. I, -15g 11ms. Saw Tooth |
|------------|---|

EXPLOSIVE

MIL-5400, Par. 3.2.2.4.10

EMI/RFI

MIL-STD-461, Class 3

DRIP PROOF

MIL-STD-810E

ALTITUDE

| | |
|----------------|------------|
| Operating: | 15,000 ft. |
| Non Operating: | 40,000 ft. |

PHYSICAL CHARACTERISTICS

| | |
|--------|--------------------------|
| SIZE | 4.5" H x 5.5" W x 5.5" D |
| WEIGHT | 1 Kg. |
| POWER | 20 - 30 VDC |

These specifications are subject to change without notice