

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

MRC-104S

Rugged Computer

FEATURES

- Processor: Intel® Pentium® M processor 1GHz.
- Memory up to 1Gbyte
- Interfaces: 2X serial – 232/422, Ethernet 10/100, 2XUSB 2.0, IDE/ATA
- Integrated graphics, CRT output
- O.S. : VxWorks, Win 2000, XP, Linux
- Modular Expandable Construction.
- Complete Array of Rugged Peripherals
- Sealed Enclosure.
- Shock Mount Kits Available.

any other operating system designed for the PC.



DESCRIPTION

MILPER's MRC-104S is a high performance, rugged computer designed specifically for military embedded applications. The unit is **conductive cooled**. The standard MRC-104S features, up to 3GB Flash Disk drive and 256 Mbyte of RAM. Standard interfaces include two serial RS-232, one parallel and one VGA. The modular construction of the MRC-104S allow for the attachment of a range of compatible peripherals, accessories and interfaces. The MRC-104S can run MS-DOS, VxWorks, Win 2000, XP, Linux or

The standard MRC-104S operates from 20 - 30 VDC power source. With dimensions of only 5" high x 7" wide x 7" deep, the MRC-104S is ideally suited for Embedded Mobile Applications requires surviving tough environments.

PERFORMANCE UPGRADEABILITY

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



OPTIONS

- Removable Flash Card
- MIL-STD-1553 Interface
- ARINC 429 Interface
- Small Computer System Interface (SCSI)
- PCMCIA Interface and Cradle.
- 5 GB Removable PC Card Disk Drive
- FLASH Disk on Key - Memory.
- Other Interfaces – Consult Factory.

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE

Operating:	-18 - +55 °C
Option:	-30 - +60 °C
Non Operating:	-40 - +71 °C

HUMIDITY

Operating/Storage	MIL-STD-810C Method 507.1 Proc. I 98% 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:	40,000 ft.
Non Operating:	40,000 ft.

PHYSICAL CHARACTERISTICS

SIZE	5" H x 7" W x 7" D
WEIGHT	2.5 Kg.
POWER	20 - 30 VDC

These specifications are subject to change without notice