

MRC-120

Rugged Computer

FEATURES

- Multi Pentium. Microprocessor
Operating at 450 - 1000 MHz.
- Memory to 1 Gbyte
- Multi Passive Backplane.
- Complete Array of Rugged Peripherals
- Rack Mount and Shock Tray Kits
Available.

DESCRIPTION

MILPER's MRC-120, is a high performance, one piece ruggedized computer designed specifically for military tactical field and strategic applications. The computer is based on Single or Multi passive ISA and ISA/PCI Backplane with Single Board Computers. It is PC/AT compatible in an environmentally resistant package.

The standard MRC-120 features a drip proof keyboard, a 12 GB hard disk drive and 512 Mbyte of RAM. Standard interfaces include two serial RS-232, one parallel and one VGA. Up to Twenty slots accept printed circuit modules that are available for all PC/AT compatible computers. This allows for the attachment of a wide range of compatible peripherals, accessories and interfaces. The MRC-120 can run MS-DOS, SCO UNIX, QNX, WINDOWS 95 or any



other operating system designed for the PC. The standard MRC-120 operates from 20 - 30 VDC power source. With dimensions of only 7" high x 17" wide x 20" deep, the MRC-120 is ideally suited for sheltered or outdoor field use. The MRC-120 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-120 passive backplane allows an easy replacement of the CPU board to any Pentium SBC operating at 400 or 800 MHz . The backplane is upgradeable to a variety of ISA/PCI backplanes.



KEYBOARD

The MRC-120 features full-size, PC compatible QWERTY keyboard. The keyboard is drip proof, has full-travel keys with tactile feedback and integral pointing device.

- IEEE 488 Interface
- Small Computer System Interface (SCSI)
- PCMCIA Interface and Cradle.
- FLASH Memory .
- 115/230 VAC 47-440 Hz Power.

OPTIONS

- 25 Gbyte Removable Disk
- MIL-STD-1553 Interface
- ARINC 429 Interface

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE

Operating:	-18 - +55 °C
Intermittent:	-20 - +65 °C
Non Operating:	-30 - +71 °C

HUMIDITY

Operating/Storage	MIL-STD-810C Method 507.1 Proc. I 95% RH (non condensation)
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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
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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

7" H x 17" W x 20" D

WEIGHT

Up to 20 Kg.(Depend on configuration)

POWER

20 - 30 VDC

These specifications are subject to change without notice