MILPER Ltd.

http://www.milper.com

SI
ISO 9001
The Standards Institution of Israel
Quality Assured Firm

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

MRC-150
Rugged Computer

FEATURES

- Pentium & Pentium Pro. Microprocessor Operating at 160 - 300 MHz.
- Memory to 128 Mbyte
- 6 Slots Passive Backplane.
- Removable Hard Disk.
- Complete Array of Rugged Peripherals
- Rack Mount and Shock Tray Kits Available.

DESCRIPTION

MILPER's MR.-150, is a high performance, one piece ruggedized computer designed specifically for Military Airborne applications. The computer is based on a passive ISA backplane with Single Board Computer. It is PC/AT compatible in a lightweight, environmentally resistant package.

The standard MRC-150 features a drip proof keyboard, a 3.08 Gbyte Removable Hard Disk drive and 64 Mbyte of RAM. Standard interfaces include two serial RS-232, one parallel and one VGA. Six ISA slots (Two occupied by CPU) accept printed circuit modules that are available for all PC/AT compatible computers. This allows for the attachment of a range of compatible

peripherals, accessories and interfaces. The

MRC-150 can run MS-DOS, SCO UNIX, QNX, WINDOWS 95 or another operating system designed for the PC.

The standard MRC-150 operates from 20 - 30 VDC power source. With dimensions of only 7" high x 10" wide x 18" deep, the MRC-150 is ideally suited for Airborne, Ground Mobile, Sheltered or outdoor tactical field use. The MRC-150 can be fitted with a kit with slides to satisfy those applications requiring rack mount option.

PERFORMANCE UPGRADEABILITY

The MRC-150 passive Backplane allows an easy replacement of the CPU board to a Pentium Pro or P-II SBC operating at 233/300/400 MHz . The backplane is upgradeable to a ISA/PCI having 2 ISA, one ISA/PCI and 3 PCI slots.

KEYBOARD

The MRC-150 features full-size, PC compatible QWERTY keyboard. The keyboard is drip proof, has full-travel keys with tactile feedback and integral pointing device.

OPTIONS

- 6 Gbyte Removable Disk
- MIL-STD-1553 Interface
- HOO9 Interface.
- ARINC 429 Interface
- IEEE 488 Interface
- Small Computer System Interface (SCSI)
- FLASH Memory .
- 115/230 VAC 47-440 Hz Power.

ENVIRONMENTAL CHARACTERISTICS

AMBIENT TEMPERATURE

Operating:	-30 - +55 ^{o}C
Intermittent:	-30 - +65 ^{o}C
Non Operating:	-45 - +71 ^{o}C

HUMIDITY

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

VIBRATIONS

Hard Mount:
MIL-STD-810E, Method 514.4, Category 5, Jet Aircraft, Figure 514-8 (W_0=0.2 G^2/Hz)

SHOCK

Operating: MIL-STD-810D, Method 516.4, Proc. I, -15g 11ms Half Sine.

EXPLOSIVE ATMOSPHERE

MIL-5400, Par. 3.2.24.10

EMI/RFI

MIL-STD-461D, Part 2

DRIP PROOF

MIL-STD-810E

ALTITUDE

Operating:	**35,000 ft.**
Non Operating:	**45,000 ft.**

PHYSICAL CHARACTERISTICS

SIZE	7" H x 10" W x 18" D
WEIGHT	12 Kg.
POWER	20 - 30 VDC

These specifications are subject to change without notice