

MRC-7000A

Rugged Computer/Recorder

FEATURES

- Low Power Pentium III Microprocessor up to 800MHz.
- Video Capture (NTSC/PAL/SECAM Format)
- Ethernet 10/100Mbps.
- Memory up to 512 Mbyte SDRAM/VCM
- Expandable Construction. PCI User defined Interface.
- Removable Hard Disk.
- Support Compact Flash Type II
- Complete Array of Rugged Peripherals
- Shock & Vibrations enhancement Kits Available.

DESCRIPTION

MILPER's MRC 7000A is a high performance one-piece rugged computer designed specifically for Airborne and Military Tactical field applications.

MRC-7000A Standard Interfaces:

- VGA Support up to 1600x1200 with up to 64 MB Shared with System Memory.
- LCD Interface
- Video Capture: 4xAV input Chip: Conexant Fusion 878A, 30 FPS.
- Ethernet – Dual 10/100Mbps.
- 1394 High Performance Serial Bus.
- 2xUSB Ports.
- 3xRS-232 Ports
- 1xRS-232/422/485 Port. (Auto Direction. RS-485).
- Parallel Port.
- Isolated Digital I/O – 4 DI and 4 DO
- Audio – AC'97 Standard.
- Watch Dog Timer – Software Programmable.

The modular construction of the MRC-7000A allows for the attachment of a range of peripherals, accessories, and interfaces.

40GB Internal Fix or removable Hard Disk is a standard option.



The MRC-7000A can run MS-DOS, UNIX, QNX, WINDOWS or any other operating system designed for the PC.

The standard MRC-7000A operates from 20 - 30 VDC power source. With dimensions of only 3.5" High x 8.5" Wide x 11" Deep, the MRC-7000A is ideally suited for embedded applications requiring to survive tough environments.

KEYBOARD

The MRC-7000A 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
- Up to 60 GB Removable Hard Disk
- MIL-STD-1553 Interface
- ARINC 429 Interface
- Customer Defined.

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE

Operating:	-18 - +55 °C
Optional	-30 - +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)
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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. 45,000 ft. is optional
Non Operating:	60,000 ft.

PHYSICAL CHARACTERISTICS

SIZE	3.5" H x 8.5" W x 11" D
WEIGHT	3 Kg.
POWER	20 - 30 VDC

These specifications are subject to change without notice