



MRC-104S-i7

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 2 SATA SSD devices (total of up to 512GB). Standard interfaces include 2 serial RS-232/422/485, one parallel and one VGA/DVI, 16 bit GPIO, up to 6x10/100/1000 LAN ports. The modular construction of the MRC-104S allow for the attachment of a range of compatible peripherals, accessories and interfaces.

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.

Field Proven Solution

MRC-104S has been successfully installed and operated in airborne applications (UAV, helicopter). This computer with different configuration have passed Safety Of Flight testing for airborne applications.



Features

- Processor: Intel® Core™ i7, 2.2 GHz
- Memory Up to 8GB DDR3-1066/1333
- Interfaces: 2x RS232/422/485 COM Ports, up to 8x USB2.0 Ports
- Dual Independent Displays
- Discrete 16bit GPIO Port
- Up to 6x10/100/1000 Ethernet ports
- O.S. : Windows XP, XPe, Windows 7, Compact Embedded Support, Linux compatible
- Modular Expandable Construction
- Complete Array of Rugged Peripherals
- Sealed Enclosure

Options

- Removable SSD
- MIL-STD-1553 Interface
- ARINC 429 Interface
- Other Interfaces – Consult Factory

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* Subject to validation testing. Subject to change at any time. Documentation available upon request.

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The system is designed to meet the following conditions		
Temperature	Operating	-20 - +70 oC
	Intermittent	-40 - +85 oC
	Non-Operating	-40 - +85 oC
Humidity	Operating/Storage	MIL-STD-810F
	Method 507.4 Proc.	95% HR (non-condensation)
Vibrations	Hard Mount	MIL-STD-810F, Method 514.3, Category 9&13,
Shock	Operating	MIL-STD-810F, Method ,516.5Proc. I, -15g 11ms.Saw Tooth
Explosive		MIL-5400, Par. 3.2.2.4.10
EMI/RFI		MIL-STD-461F, CE102, RE102
Drip Proof		MIL-STD-810F
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

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