

MD-4U23-810F

Rugged 4U Platform

The MD-4U23-810F provides a compact, versatile and rugged 4U platform offering high reliability for the most demanding applications. An Intel processor-based architecture provides the highest performance available. Custom integration and testing is available for dock to stock solutions.

The MD-4U23-810F is an extreme duty system designed for demanding applications in military and industrial operations. With a compact design that saves space and weight, the system offers great value and performance without the associated high cost. Designed and tested for high shock and vibration (**MIL-STD-810F** compliance), this system provides complete protection for mission critical applications.



EXTREME Industrial Features

- Shock mounted drive bays and motherboard
- Positive pressure front cooling with one 102 CFM ball bearing fan and 2 rear I/O fans
- Firmly held plug-in cards with uniquely designed clamps
- Internal chassis bracing
- Wire bridges to eliminate the need for stick-on tie-wrap holders



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Specifications



CHASSIS

7 slot 4U chassis designed for harsh industrial and military environments.

Material: .090" aluminum w/gold alodine chassis

Front Panel: Black

Indicators: Power LED, Drive LED

Controls: Power & reset ON/OFF switch

Dimensions: (W x D x H) 19" x 22.5" x 6.97"

SYSTEM

Accepts both standard and extended ATX form factor serverboards (attached to a shock plate).

MCS2 Dual Multi-Core Serverboard:

- 1 PCI-e x16 PCI EXPRESS slot
- 1 PCI-e x4 PCI EXPRESS slot (in x16 slot)
- 2 PCI-X 64-bit 133/100MHz slots
- 2 PCI 32-bit/33MHz slots

MCS3 Dual Multi-Core Serverboard:

- 1 PCI-e x8 PCI EXPRESS slot
- 1 PCI-e x4 PCI EXPRESS slot (in x8 slot)
- 2 PCI-X 64-bit 133/100MHz slots
- 2 PCI 32-bit/33MHz slots

MCX11 Dual Multi-Core Serverboard:

- 4 PCI-e x16 PCI EXPRESS slots
- 2 PCI 32-bit/33MHz slots

Other serverboard options available.

CPU

Intel: Dual Xeon processors (Dual-Core and Dual Quad-Core processor options available).

COOLING

Front: A 102 CFM front intake ball-bearing fan and 2 rear I/O 20 CFM fans.

Auxillary Fans: Power supply, hot swap hard drive carrier and processor.

Front Filter: Removable and washable

POWER

Power Input: PS/2 510 watt autorange 110/220 VAC.

Ruggedization: Harsh industrial / military environments.

DRIVE BAYS

Front Accessible: Three shock-mounted 5.25" and one notebook slimline drive bay mounted on removable plates which lock into a shock mounted drive frame.

Internal: Two shock mounted 3.5" hard drives.

ENVIRONMENT

Temperature: 0° to 50° C

Humidity: 5% to 95% non-condensing

Altitude: Up to 15,000 feet

Vibration

- Non-operating: 3.15G, 5-500Hz
- Operating: 1.50G, 5-500Hz
- Duration: 60 minutes each axis

Shock

- Non-operating: 20G Half-sine, 9ms
- Operating: 2G Half-sine, 9ms
- Repetitions: 3 shocks per axis

OPTIONS

Redundant power supply

DC power options

Hotswap removable drive module with 3 drives

Rack mount slide rails

Please contact us for ordering and pricing information.

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