

MicroDISC

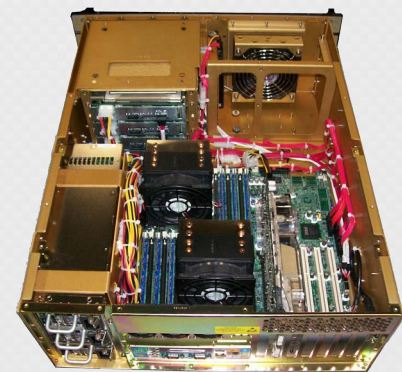
MD-4U24-810G **RUGGED 4U SYSTEM**

The MD-4U24-810G provides a compact, versatile and rugged 4U platform offering high reliability for the most demanding applications. An Intel Xeon processor-based architecture provides the highest performance available. MicroDISC hardened/industrial systems are deployed worldwide in defense, oil and gas, automation, video surveillance and OEM industrial applications.

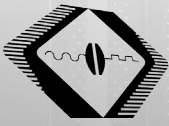
The MD-4U24-810G is an extreme duty system designed for demanding NAS applications in military and industrial operations. With a compact 4U design that saves space and weight, the system offers great value and performance without the associated high cost. The unit comes with an internal 2.5" SATA SSD / HDD boot drive bays and four front removable SATA 2.5" drive carriers that can be populated with SSD or HDD RAID ready Enterprise disk drives. Designed and tested for high shock and vibration (MIL-STD-810G compliance), this system provides complete protection for mission critical applications.

EXTREME Industrial Features

- Shock mounted drive bays and motherboard
- Positive pressure front cooling
- Rear ball bearing fans
- Removable front filter
- Firmly held plug-in cards with uniquely designed clamps
- Internal chassis bracing
- Wire bridges to eliminate the need for stick-on tie-wrap holders
- RTV applied to cabling, capacitors, and connectors as a preventative measure against failed connection or component crawl



MILITARY . DATA COLLECTION . MACHINE VISION . SURVEILLANCE



MicroDISC
IMAGE PROCESSING SPECIALISTS

MD-4U24-810G

SPECIFICATIONS

CHASSIS

8 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 24" x 6.97"

SYSTEM

MCRIX1 Dual Socket Multi-Core Intel Patsburg chipset server board:

- (4) PCI-e x16 PCI EXPRESS Gen 3.0 slots
- (3) PCI-e x8 PCI EXPRESS Gen 3.0 slots
- (1) PCI-e x4 PCI EXPRESS Gen 2.0 slot

CPU

Dual E5-2600 series & E5-2600v2 Multi-Core Xeon processors available.

COOLING

- (3) 40mm - 19 CFM mid-chassis fans

POWER

AC power supply rated at 1200 Watts, input 110-230VAC

DRIVE BAYS

- Internal, shock-mounted 2.5" SATA SSD Boot drive bay
- Four front shock-mounted 2.5" SATA RAID drive bays with removable carriers
- Slim line DVD/CD-RW optical drive

ENVIRONMENTAL

- **Temperature:** 0° to 50° C
- **Humidity:** 5% to 95% non-condensing
- **Altitude:** Up to 10,000 feet
- **Vibration**
 - Method 514.6, AnnexC, Category 4, Figure : 514.6C-1 and Table: 514.6C-II.
- **Shock**
 - Method 516.6, Procedure 1 (20G,15ms)

Contact MicroDISC sales for complete server board specifications and single socket solutions.

ABOUT MDI

Since 1984, MicroDISC has been providing Government, Military/Aerospace, Industry and Academia with invaluable knowledge and expertise in the field of machine vision, image processing and the packaging of integrated or embedded systems across a broad range of computer architectures and operating environments. Our commitment is to deliver the latest in leading edge technology packaged to meet the needs of our customers using mostly commercial-off-the-shelf (COTS) and long life-cycle components.

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