

MD-1U19-810F



The MD-1U19-810F provides a compact, versatile, rugged 1U platform offering high reliability for the most demanding applications. Intel Pentium IV processor based architecture provides the highest performance available. Custom Integration and testing is available for dock-to-stock solutions.

The MD-1U19-810F 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), the system provides complete protection for mission critical applications.

EXTREME INDUSTRIAL FEATURES

- Shock mounting in all drives and motherboard
- Positive pressure front cooling with six ball bearing fans
- Firmly held plug-in cards with uniquely designed card hold-down clamps
- Internal chassis bracing
- Wire bridges to eliminate the need for stick-on tie wrap holders
- Custom integration of CFE or GFE



MILITARY | SURVEILLANCE | MACHINE VISION | FACTORY AUTOMATION

MD-1U19-810F

Specifications



CHASSIS

Single slot 1U chassis designed for harsh industrial and military environments.

Material: .090" aluminum w/gold alodine chassis and 18 gauge steel (zinc chromate).

Weight: 20 lbs

Front Panel: .190" Alum. black powder coat

Custom Logo: Silk-screened per customer specification.

Indicators: Power LED, Drive LED

Controls: Power & reset ON/OFF switch

Dimensions: (W x D x H) 19" x 19" x 1.73"

SYSTEM BOARD

Active serverboard architecture

1 PCI-X expansion slot

CPUs

Intel: Dual Xeon processors

AMD: Dual Opteron processors

Dual-Core processor options available

COOLING

Mid Chassis: Four 25 CFM ball bearing fans

Power Supply: Two 11 CFM ball bearing fans

POWER

Power Input: 500 watt, auto-switching, 1U, 110/220 VAC power supply.

Ruggedization: Harsh industrial / military environments.

Power Options: 12/24 VDC

DRIVE BAYS

Front Accessible Dual hot swappable SATA hard drives and slimline DVD/CD ROM

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

Ambient Temperature: 25° C

Designed to meet MIL-STD-810F specification

OPTIONS

DC Power Supply

Rack-mount slide assemblies

Please contact us for ordering and pricing information.

MicroDISC
IMAGE PROCESSING SPECIALISTS

301 Oxford Valley Road, Suite 1502
Yardley, PA 19067

Tel 215.321.9100

Fax 215.321.9190

www.microdisc.com
sales@microdisc.com