

RM4000



4U Rugged Rack Mount Server Quick Turnaround, Short Lead Time

Key Features

- Standard I/O chassis, 7 slot, positive pressure cooling
- 20" deep chassis designed for military and harsh industrial environments
- Active ATX motherboard architecture
- Minimum 700 watt AC auto-switching power supply, hot swap power supply option
- Latest Intel and AMD processors
- (9) x 3.5" front accessible removable hard drive bays
- Removable DVD/RW/Blu-Ray Drive
- MIL-STD-810G shock & vibration
- 10 Point Survivor Technology
- 0-50°C operating temperature

Product Highlights

The RM4000 4U rack mount server provides a compact, versatile, rugged 4U platform designed and tested for high shock and vibration. This 4U offers the highest reliability for the most demanding applications through implementation of the Systel 10 Point Survivor Technology. Intel or AMD processor based architecture provide the highest performance available. A large selection of passive CPU board options are available.

The RM4000 4U server is an extreme duty passive backplane system designed for military operations, oilfield services, and a multitude of other rugged industrial applications. With a compact design that saves space and weight, the RM4000 4U server offers great value and performance without the associated high cost. Custom integration and testing is available for dock-to-stock solutions.

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Specifications

CHASSIS

Material	18/16 gauge steel, gold zinc chromate
Front Panel	Black or custom colors
Indicators	Power & drive LED's
Controls	Power on / off, system reset
Dimensions	(W x D x H) 19" x 20" x 6.97"

SYSTEM BOARD

System Board	Accepts standard ATX form factor motherboards
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CPUs

Intel	Latest Intel processor
AMD	Latest AMD processor

COOLING

Front	(5) x CFM ball bearing fans
Rear	(3) x CFM ball bearing fans
Front Filter	Removable and washable

POWER

Power Supply	Minimum 700 watt auto-switching. 110/220 VAC
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RUGGEDIZATION

Systel	10 Point Survivor Technology
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DRIVE BAYS

Front Accessible	(9) x 3.5" removable hard drives
Internal	Removable DVD/RW/Blu-Ray drive

ENVIRONMENT

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

MIL-STD-810G Shock and Vibration.

Note: Systel maintains an on-site environmental lab for shock and vibration testing. As an added benefit we can test the many different combinations for operating and non-operating profiles to meet transportation, airframe and shipboard applications.

OPTIONS

- Rack slides
- Hot swap power supplies
- Custom color and logo