

R3151

3U Depth Server



The Raptor-R3151 is a general purpose 3U server with five available rear I/O slots. The chassis is designed for standard 19 inch rack mounting with a height of three rack-units and a depth of 15 inches. The RAPTOR-R3151 has been designed with leading-edge COTS components to provide a fast yet stable platform. The RAPTOR-R3151 server can also be custom configured to meet specific program requirements.



R3151

3U Depth Server

PHYSICAL DIMENSIONS

5.25 (H) x 19 (W) x 20.7 (D)
(133 mm x 483 mm x 526 mm)

WEIGHT

36 lbs (16.4 kg) fully configured

POWER SUPPLY

Input 100 to 240 VAC, 50/60Hz auto switching
Output Power 460W

COOLING FANS

2 x 80mm (45.5 CFM ea.) Front Mount
1 x 60mm (23.5 CFM ea.) Rear Mount
two fans mounted in power supply

MOTHERBOARD FORM FACTOR

mATX 9.60 inches by 9.60 inches
(243.84 millimeters by 243.84 millimeters)

CPU

2.93GHz Intel Core i3 Processor

CHIPSET

Intel H57 Express

MULTI-CORE SUPPORT

Quad-Core

MEMORY

4GB DDR3 SDRAM (up to 16GB)

VIDEO

Intel® HD Graphics
DVI-I and HDMI ports

ETHERNET

10/100/1000BaseT Intel® 82578DC Gigabit Ethernet Controller

RAID

Levels 0, 1, 10, 5

FRONT I/O SWITCHES

Power On/Off and System Reset

LED INDICATORS

Power On, Hard Disk Activity, Ethernet

USB

6 (Back) 2 (FP Header optional)

REAR I/O

USB- Six USB 2.0 Type A connectors
Video- One DVI-I D-sub connector
Video- One HDMI D-sub connector
Storage- One eSATA 7pin external connector
Audio- Two 2.5mm stereo connectors
Ethernet- One RJ45 connector, with status indicators

DRIVE BAYS

1- 5¼ inch external
2- 3½ inch external (hot swap)

SLOTS

PCI slots- 1
PCI Express 2.0 x16- 1
PCI Express 2.0 x1- 1

MASS STORAGE

Hard Disk Drive- QTY 2 500GB SATA
DVD/RW Drive- QTY 1 SATA
Floppy Drive (Optional)

ENVIRONMENT

Operating Temperature 10° C to 45° C
Non-operating Temperature -25° C to 70° C

HUMIDITY

Operating Up to 93% C at 40° C non condensing
Non-operating 97% at 25° C to 93% at 40° C non condensing

SHOCK

1g, 11ms 10g 6-10ms

VIBRATION

0.2g, 5-500 Hz -2g, 10-150 Hz



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