

OPTIA® 2U Rugged Rack Mount Server

OPTIA®



DESCRIPTION

THE ULTIMATE IN PROCESSING POWER! This true-tactical server is the most powerful 2U short depth server built specifically for USA defense systems.

Driven by Customer requirements for demanding tactical applications, the OPTIA® 2U ruggedized rack-mount server offers high performance computing for the standard 19" rack but in a small form factor... smaller than conventional mounted servers with depths ranging from 17.5" to 19.5". United engineers the OPTIA® 2U with the next generation of Quad-Core and Six-Core Intel® Xeon® processors with dual- and four-sockets and an expandable memory capacity up to 256 GB. This server is proven and tested in the battlefield with over 1000 currently deployed in active theaters. Many options allow the OPTIA® 2U to be tailored to Customer needs. Designed to exceed MIL-STD 810 environmental and rugged demands for in-vehicle and transit portable platforms.

RUGGEDIZED FEATURES

- Rugged Aluminum Construction
- Seamless Welded Integrated Chassis
- Filtered Air Intake
- Random Vibration (Not-Operating) Tested: Compliant to MIL-STD-810F, Method 514.5, Procedure 1, Category 4, Wheeled Vehicles
- Operating Temperature Range: 32°F to 104°F (0°C to 40°C)
Non-operating Temperature Range: -40°F to 158°F (-40°C to 70°C)

SYSTEM SPECIFICATIONS

Enclosure

- Dimensions: 3.5" (H) x 17" (W) x 19½" (D)
- 17.5" depth available
- Weight: 32 lbs

Processor Configuration Options

- 2 or 4 x Intel Quad-Core Xeon DP/MP processor
- 4 x Intel Six-Core Xeon MP processor

Hard Drive Storage

- Server SAS Array Controller
- Removable Drive Carriers (2.5" or 3.5")
- SAS Options: two 3.5" (1TB) or two 2.5" (600GB)
- SATA Options: two 3.5" (4TB) or four 2.5"(1TB)

Operating System

- Microsoft Windows Enterprise Server 2003, VMware and Redhat Linux

System Memory Options

- Quad-socket DDR2: 32+ GB up to 196 GB
- Quad-socket DDR3: 32+ GB up to 256 GB
- Dual-socket DDR3: 16+ GB up to 48 GB

Peripheral Drives

- Internal Slim DVD±RW/CD±RW Drive
- Internal 3.5", 1.44MB Floppy Drive

System I/O

- 2 x RJ-45 Gigabit Ethernet ports
- 2 x USB 2.0 rear ports
- 1 x VGA port, 1 x Fast UART serial port
- PS/2 Keyboard and Mouse ports

Power

- AC: 100-240V, 50/60Hz

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