

EXTREME RUGGED
PORTABLE COMPUTING


MaxVision®

MAXRAX® 8240 3U20 Rugged 3U Rack Mount



Dual Intel Xeon 5600 Rugged Vehicle-Mounted (Ship, Aircraft, Wheeled Vehicle) 3U Rackmount Server 20" deep.

Designed to deliver outstanding performance in the harshest of environments, including ground vehicle, rotating and fixed wing aircraft and shipboard conditions. Dual mirrored 2.5" system drives in a single removable magazine coupled with eight 3.5" data drives in a second removable magazine supporting up to 16TB of Raid storage.

Optional integrated UPS provides backup power while operating on all global power sources (90 – 264VAC, 47 to 400Hz). The MaxUPS also supports operating from 28VDC primary power with battery backup.



MAXRAX[®] 8240 3U20

Rugged 3U Rack Mount

Rugged mobile/deployable 3U rackmount server only 20" deep.



Designed rugged to meet MIL-STD 810G MIL-S 901D for low/high temperatures, shock, and vibration and MIL STD 461E certification options.



Full-featured integrated input/output (I/O) allows for maximum connectivity plus 4 PCIe slots and 2 PCI slots provide plenty of expansion.



Desert-proven filtration system and removable drive magazines.



COMPONENT SPECIFICATIONS	
Form-factor	Rugged 3U Rackmount Server 20" deep
Operating System (OS)	Windows XP Professional / Windows 7 / Server 2008 (others upon request)
Motherboard/Processor	Supermicro X8DTL-6F Intel 5500 Chipset / Dual Intel XEON 5600-series LGA1366 CPU (Nehalem-EP)
CPU-Speed	Dual Intel XEON 5600-series (CPU core and clock speed based on availability)
Standard/Max RAM	6 to 48 GB DDR3-1,333 MHz (three DDR3 DIMM sockets per processor; each socket supports 1, 2, 4, or 8 GB)
Optical Drive	Slimline removable DVD/CD or Blue-Ray reader/writer
System Disk/Drive	Dual 2.5" SATA HD (optional SSD) in a single removable magazine
Data Disk/Drive	Eight 2.5" SATA HD (optional SSD) in a single removable magazine.
Standard I/O	2x Gbit LAN, PS2, 4x USB 2.0 (2 front, 2 rear)
Expansion	1x PCI Express 2.0 x8 (x16 mechanical) 2x PCI Express 2.0 x4 (x8 mechanical) 1x PCI Express x4 (x8 mechanical) 2x PCI 32bit legacy
Graphics	Onboard Matrox G200eW (optional nVidia Quadro-series graphics card; occupies PCIe x16 slot)
Management	IPMI (Intelligent Platform Management v2) with KVM support and dedicated LAN.
Power Supply	650 watt; Input = 90 to 264 VAC 50/60 Hz; Output = 115 VAC @ 400 Hz
MaxUPS Uninterruptable Power Supply (optional)	Supports backup from all known global power sources yielding 75 WHr of energy. Provides support for 28 VDC with UPS backup (95 WHr total energy). LiFePO4 battery technology is United Nations certified for safe airline transport.
Size (WxHxD)	17.20" x 5.24" x 20.88"
Weight	28 lbs (58 lbs in optional transit case with accessories)
Accessories	Microsoft 600 USB/PS2 keyboard, Microsoft laser mouse, Pelican 1610
ENVIRONMENTAL SPECIFICATIONS	
Transport	water/air-tight transit case with custom foam.
Operating/Non-Operating Temperature	Operating 0 to +50°C (60°C max with SSD) / Non Operating -40 to +70°C. (Heater/fan control option for operation between -32 and +50°C.)
Altitude	Operation up to 10,000 ft (25,000 ft with SSD).
Enclosure/Sealing	Dust filtration
EMI/EMC	FCC Class A, RoHS-compliant (MIL-STD 461E option).

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