

MiniRax[®] 8060 1U12

Rack-mounted rugged workstation and specialty server



The MiniRax[®] 8060 is an extremely compact 1U rack-mount workstation and specialty server with a depth of 12.3”

The MiniRax is ideal for vehicle based systems where the small size is beneficial. It supports the latest Xeon-D 8-core processor technology and a PCI-E 3.0x 16 slot, which can be used for high performance graphics and other demanding I/O.

This product can be configured with 16GB, 32GB, 64GB or 128GB of DDR4 memory. Each of the 8 Xeon cores has a peak clock of 2.6GHz. Pair this with a Quadro M4000 graphics card or a 4 channel RAID controller and you have an amazing workstation/server engine with all the standard I/O features of the largest systems. You can install up to four removable 2.5” SSDs configured as two drives per removable magazine. A quick swap slot fed DVD or BD burner is also provided or optionally removed. Dual 10GbE and dual GbE (a total of four RJ-45 connectors) are standard on this workstation server.

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Motherboard/Processor	Supermicro X10SDV-TLN4F motherboard and Xeon D-1540 Processor, IPMI and TPM supported
Memory	Four RDIMM ECC DDR4 2133MHz (128GB Max) or Four UDIMM non-ECC (64GB max)
Video Controller Options	Integrated graphics for a single VGA port is provided on the motherboard. Optional Quadro, K2200 or M4000 graphics cards (uses PCI-E3.0 x 16 slot).
STD External I/O Interfaces	Two 10GbE, Two GbE; Two USB 3.0 rear; Two USB 2.0 ports front; VGA (HD15) on rear
Internal I/O	two USB 2.0 on internal header,; six SATA
Option Slots	PCI-E 3.0 x16 for cards 10" or less in length. nVidia Quadro M4000 or K2200 recommended. Internal PCI express mini card, which can be used for M.2 SSD
Removable Drive Magazine	4 removable 2.5" SATA drives organized in two removable magazines. Drives can be configured for individual removal or removal as mirrored pairs. Max per drive is 1.6TB. FIPS drives available upon request.
Optical Drive	Choice of DVD or Blu-ray burner, used with a slim, quick-swap magazine.
Power Supply	300Watt; Global 90 to 264VAC; 50/60 or 400Hz.
Operating System	Windows 7; Windows 10, Microsoft Server 2012; or Redhat Linux. ESXi can also be used to support Virtual Machine configurations.
Environmental	Operating range: 0 to 50°C; Non-operating: -20 to 70°C; non-condensing 10 to 90% relative humidity.
Regulatory	FCC Class A, CE
Size (WxHxD)	17.3" x 1.75" x 12.3"
Shipping Container	Corrugated box with Ethafoam insert. Custom Transit case upon request for portable applications.

MiniRax[®] 8060 is a 1U rack-mount mobile/deployable workstation and specialty server that requires a very short rack. Approximately 13" depth is all that is required.



Removable 2.5" SSD drives magazine with an optical (DVD or Blu-ray) quick-swap drive bay.



The cable management bracket allows for the compact organization of the exiting cables. This is often needed in vehicle applications where there is a limited amount of space. The bracket can be configured out if not needed.



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