

# MiniRax<sup>®</sup> 8060 1U12

Rack-mounted rugged workstation and specialty server



**The MiniRax<sup>®</sup> 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 from nVidia and you have an amazing workstation 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. An optional RAID controller adds drive redundancy. A quick swap slot fed DVD or BD burner is also provided. Dual 10GbE and dual GbE (a total of four RJ-45 connectors) are standard on this workstation server. In addition a 5th RJ-45 support IPMI.

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<b>Motherboard/Processor</b>	Supermicro X10SDV-TLN4F motherboard and Xeon D-1540 Processor with optional TPM.
<b>Memory</b>	Four RDIMM ECC DDR4 2133MHz (128GB Max) or Four UDIMM non-ECC (64GB max)
<b>Video Controller Options</b>	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).
<b>STD External I/O Interfaces</b>	Two 10GbE, Two GbE; Two USB 3.0 rear; Two USB 2.0 ports front; VGA (HD15) on rear, + IPMI RJ-45
<b>Internal I/O</b>	two USB 2.0 on internal header, six SATA
<b>Option Slots</b>	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
<b>Removable Drive Magazine</b>	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 2.0TB. MegaRaid 9271-4i controller optional. FIPS 140-2 available.
<b>Optical Drive</b>	Choice of DVD or Blu-ray burner, used with a slim, quick-swap magazine.
<b>Power Supply</b>	300Watt; Global 90 to 264VAC; 50/60 or 400Hz.
<b>Operating System</b>	Windows 7; Windows 10, Microsoft Server 2012; or Redhat Linux. ESXi can also be used to support Virtual Machine configurations.
<b>Environmental</b>	Operating range: 0 to 50°C; Non-operating: -20 to 70°C; non-condensing 10 to 90% relative humidity.
<b>Regulatory</b>	FCC Class A, CE
<b>Size (WxHxD)</b>	17.3" x 1.75" x 12.3"
<b>Shipping Container</b>	Corrugated box with Ethafoam insert. Optional Pelican 1495 Briefcase.



MiniRax<sup>®</sup> 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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