MiniRax® 8020 1U

Rack Mount Rugged Workstation and Specialty Server

The MiniRax® 8020 is an extremely compact 1U rack mount work station and specialty server with a depth of less than 11".

It is ideal for vehicle based systems where the small size is key. It supports the latest Ivy Bridge Core i7 processor technology and a PCIe 3.0x 16 slot, which can be used for high performance graphics and other demanding I/O.

This product is typically configured with a 16GB of DDR3 memory and a quad core i7 processor with speeds up to 3.8GHz. Pair this with a Quadro 4000 from nVidia and you have an amazing workstation engine with all the standard I/O features of the largest systems. Your choice of SSD removable drive up to 600GB can be installed.

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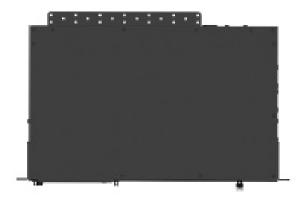|	
Motherboard/Processor	Ivy Bridge Core i7 Processor using LGA 1155 socket/ Intel DH77DF mini ITX motherboard.
Memory	Two 240-pin DDR3 SDRAM Dual Inline Memory Module (DIMM) Sockets, support for DDR3 1600/1333/1066 MHz DIMMs, support for up to 16GB of system memory.
Video Controller Options	Integrated Graphics on Intel Processor with support for dual displays monitors, which support DVI, display port, and HDMI. Optional Quadro 2000 or Quadro 4000 graphics cards (uses PCIe x 16 slot).
STD External I/O Interfaces	One GbE, one eSATA 3.0, two USB 3.0 ports (2 internal), four USB 2.0 ports, one IEEE 1394a, High Def Audio with SPDIF, DVI-D, HDMI, DP use on integrated graphics.
Internal I/O	Four USB 2.0, two USB 3.0, four SATA, one IEEE1394a
Option Slots	PCIe 3.0 x16 for cards 10" or less in length. Internal PCI express mini card, used for mini SSD or network options.
Removable Drive Magazine	Single 2.5" SATA drive for use with HD or SSD, up to 750GB HD and 600GB SSD.
Optical Drive	Choice of DVD burner pf Bluray burner for use with a slim, quick change magazine.
Power Supply	300 watt Global 90 to 264 VAC 50 to 400Hz.
Operating System	Windows 7, Windows Server, Redhat Linux.
Environmental	0 to 50°C operating range, -20 to 70°C non-operating, non-condensing 10 to 90% relative humidity.
Regulatory	FCC Class A, CE
Size (WxHxD)	17.3" x 1.75" x 10.5" (11.5" with cable management bracket).
Shipping Container	Corrugated Box with Ethafoam insert.

MiniRax® 8020 is a 1U rack mount mobile/deployable workstation and specialty server that requires a very short rack that is less than 12" deep, while utilizing the latest in graphics and processor technology.

Removeable 2.5" HD or SSD drive magazine with an optical (DVD or Bluray) quick swap drive bay.

The cable management bracket allows for the compact organzation of the exiting cables. This is often needed in vehicle applications where there is limited amount of space.