

RMC6442

4U rackmount GPU workstation supporting a standard ATX M/B, Core i7 14700, 32GB DDR5 memory, 1TB M.2 SSD drive, RTX 4500 Ada Generation 24GB series graphics card, and a 4U 17.8" short-depth rack chassis.

- ▶ 4U rackmount GPU workstation
- ▶ 17.8" short-depth rack mount chassis
- ▶ ATX motherboard - Q670E chipset
- ▶ Core i7 14700 processors
- ▶ 32B DDR5 memory (up to 128GB) & 1TB M.2 SSD
- ▶ NVIDIA RTX 4500 Ada Generation 24GB GPU card
- ▶ 3 X 5.25" external & 1 x 3.5" internal drive bay
- ▶ 2 x 92mm cooling fan
- ▶ Front power ON/OFF switch, LED indicators, & 2 X USB ports
- ▶ 1000W power supply, option for 1300W power supply



Description

The RMC6442 is a powerful and versatile 4U rackmount GPU workstation designed to meet the demands of compute-intensive applications. The GPU workstation comes equipped with a standard ATX motherboard providing compatibility with a broad range of hardware components. It features an Core i7 14700 processor, delivering exceptional processing power and performance. Designed specifically for NVIDIA RTX 4500 Ada Generation 24GB GPU card, this workstation is ideal for professionals who need to handle demanding tasks, such as data visualization and rendering. It also supports 2 x 92mm cooling fans, ensuring optimal system cooling for stable operation. With its advanced hardware and flexible design, the RMC6442 is an ideal choice for a wide range of applications, from scientific research to graphics design.

Technical Specifications

SPECIFICATION	VALUE
Construction	Heavy duty steel cold-rolled steel EIA RS-310C 19" rackmount standard
System	Motherboard: Q670E ATX M/B Processor: Core i7 14700 CPU Memory: 4 x DIMM memory sockets (up to 128GB) VGA + HDMI + DP

Specifications subject to change without notice.

	<ul style="list-style-type: none"> 4 x SATA 6Gb/s - RAID 0/1/5/10 2 x 2.5 GbE LANs 8 x USB ports 2 x COM (RS232/422/485) TPM: Intel fTPM 2.0 (PTT)
Drive Bays	<ul style="list-style-type: none"> 3 x 5.25" external drive bay 1x 3.5" internal drive bay
Expansion Slots	<ul style="list-style-type: none"> 2 x PCIe 4.0 x 16 slot 2 x PCIe 4.0 x 4 slot 2 x PCIe 3.0 x 1 slots 1 x PCI-32 slot
Graphics Card (Opt)	RTX 4500 Ada Generation 24GB GPU
Front Panel Controls	<ul style="list-style-type: none"> Power on/off switch System reset button 2 x USB 2.0 ports LED Indicators for Power & HDD Activity
Cooling System	2 x 92mm (51CFM ea) cooling fan
Power Supply	<ul style="list-style-type: none"> 1000W ATX power supply Option for 1300W power supply
Color	Black
Weight	25 lb
Dimension	19"(W) x 3.5"(H) x 17.8"(D)
Environmental	<ul style="list-style-type: none"> Operating Temperature: 0°C to 45°C Relative Humidity: 5~95%, non-condensing
Operating System	<ul style="list-style-type: none"> Windows 11 Pro 64-Bit OS CentOS 9 / Ubuntu 22.04 / Vmware ESXi 8
Compliance	CE, FCC, RoHS

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