RM-2000-RTL

Industrial 2U Shallow Depth Rack-Mount Computer With 14th Gen Core-I Alder Lake CPU, Up to 7 Expansion Slots & Redundant or DC Power Option.
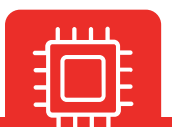
Overview

The RM-2000-RTL is possibly the shallowest 2U computer available that supports both redundant power and full length, dual slot graphics cards.

With support for the latest Intel 14th Gen Core-I Alder Lake CPUs (**Up to Core i9 / 24 Core**), Up to 192GB DDR5 RAM, 2.5 Gigabit Ethernet and PCIe (**Gen 4**), the RM-2000-RTL packs a lot of functionality into a compact and customisable enclosure.

By using industrial components throughout, the RM-2000-RTL is designed to operate 24/7 in harsh environments and mission-critical applications.

Key Features

• 7 x Low profile slots (**Default**) or 2 x Full height expansion slots (**Optional**).
• Dual slot graphics card support.
• 14th Gen Core-I Alder Lake Series CPU.
• Redundant or DC Power Option.
• Only 400mm deep.
• Available For At Least 5 Years.
• Customisable Brushed Aluminium Front Panel.

Specifications

CPU	Raptor Lake-S Refresh/Raptor Lake-S/Alder Lake-S 14th/13th/12th Gen Core i3/i5/i7/i9.
Chipset	Intel® Q670.
Memory	Up to 192GB (**48GB per DIMM**). 4 x 288-pin Long-DIMM DDR5 4400/5600MHz.
Storage	2 x 2.5" SATA drive bays. 1 x M.2 (**Key M**) (**2242/2260/2280/22110/25110**) with PCIe (**Gen4**) x4 for SSD. 2 x Removable 2.5" drives (**Optional**).
I/O Rear	1 x HDMI 2.0b (**Max 4096 x 2160 @ 60Hz**). 1 x DisplayPort 1.4a (**Max 4096 x 2160 @ 60Hz**) (**DP++**). 1 x VGA. 3 x RJ45 2.5GbE. 5 x USB 3.2 (**Gen2**). 1 x USB 3.2 (**Gen2x2**) (**Type-C**) (**5V/3A**). 2 x RS232/422/485. 3 x Audio (**Line-In / Line-Out / Mic-In**).
I/O Front	2 x USB 2.0.
Expansion	**Default PCIe Configuration:** 7 x Low profile slots. **Optional PCIe Configuration:** 2 x Full height slots. **To be defined during configuration:** **Full height PCIe slots:** 1 x PCIe x4 and 1 x PCIe x16 (**Dual width slot if PCIe x4 is not used**) or 2 x PCIe x8. **3 x Low Profile PCIe (Gen3) slots (Configured as either)**: 1 x PCIe x16 only or 2 x PCIe x8 only or 1 x PCIe x8 and 2x PCIe x4 only. **Other Expansion Options:** 2 x PCIe x4 (**Gen4**). 1 x M.2 (**Key E**) (**2230**) With PCIe x1, USB 2.0 and CNVi for Wireless. 1 x M.2 (**Key B**) (**3042/3052**) With PCIe x1, USB 3.2 (**Gen 1**), USB2.0 and SIM for 4G/5G. 1 x SIM socket connected to M.2 key B.

Other Features	TPM 2.0. Watchdog timer. iAMT/vPro (**Suitable CPU required**). Triple independent display support.
Power	**Standard Configuration:** Single PSU (**700W / full range AC input**). **Optional Configuration:** Dual redundant PSU (**700W / full range AC input**) or 24VDC input PSU (**Up to 750W / 18 to 36VDC input**).
Temperature	-5°C to 40°C Operating Temperature Wide temperature options by request.
Dimensions	(**W**) 427 mm (**479mm Including rack-mount ears**) x (**D**) 400 mm x (**H**) 88.1 mm.
OS Support	Windows 10 / 11. Windows Server. Linux.
Certification	CE / UKCA.

DATASHEET_COMPUTING_RM-2000-RTL_V05.pdf
Technical specifications are subject to change without notice.

Please note:
By default these systems will be branded with the Steatite logo, if you require an unbranded version of the system then please contact us.