RM-1000-ALD

1U Shallow Depth Industrial Rack-Mount Computer with 12th Gen Intel® Core™ i3/i5/i7/i9 CPU and up to 2x PCIe x8 slots.

Overview

The Steatite **RM-1000-ALD** is one of the smallest industrial 1U computers that offers powerful 12th gen Core™ i9 CPU performance and dual PCIe x8 expansion.

Its high-end brushed aluminium front panel and a flexible design means that it can be easily customised to suit your specific requirements.

Supporting many I/O interfaces as standard, and with its 5+ year availability, the Steatite **RM-1000-ALD** 1U PC is ideal for a range of applications.

Key Features

- 2 x Full Height PCI Express x8 Slots.
- Customisable Brushed Aluminium Front Panel.
- 12th Gen Intel® Core™ CPU Support.
- Up to 64GB DDR4 3200 MHz Memory.
- Shallow Depth Chassis.
- Available For At Least 5 Years.

Specifications

CPU	12th gen Intel® Core™ i3/i5/i7/i9 processors Core™ i3 **12100TE** or **12100E** quad core CPU Core™ i5 **12500TE** or **12500E** six core CPU Core™ i7 **12700TE** or **12700E** 12 core CPU Core™ i9 **12900TE** or **12900E** 16 core CPU Others available on request.
Chipset	Intel® **Q670** (**Standard**). Intel® **H610** (**By request**). Intel® **W680** (**By request**).
Memory	Up to 64GB DDR4 3200 MHz supported.
Storage	2 x 2.5" SATA Drives Supported (**One port shared with M.2 Key M**). 1 x M.2 (**Key M, 2242/2260/2280**) with PCIe Gen3 x4 for SSD. 1 x M.2 (**Key M, 2242**) with PCIe Gen4 x4 and SATA3 for SSD.
I/O	**Rear** 1 x HDMI 2.0a (**Max 4096 x 2160 @ 60Hz**). 2 x DisplayPort 1.2 (**Max 4096 x 2160 @ 60Hz, DP++**). 2 x RJ45 (**2 x 2.5GbE I225LM**). 4 x USB 3.2 (**Gen 2**). 2 x RS232/422/485. 2 x Audio (**Line-Out, Mic-In**). 3 x RX232. 1 x VGA **Front** 2 x USB 2.0.
Expansion	Up to 2 x PCI Express x8 (**<200mm Long**). 1 x M.2 (**Key E, 2230**) with PCIe x1 ,USB 2.0 and CNVi for Wireless. 1 x M.2 (**Key B, 3042**) with PCIe x1/USB 3.0/USB2.0 and SIM for 4G/5G. 1 x SIM socket connected to M.2 key B. Dual PCI option. Single PCIe x16 option. 5.25" Bay option.

Power	90 – 264V AC Input.
Dimensions	(**W**) 430 mm x (**D**) 230 mm x (**H**) 44.5 mm.
Temperature	0°C - 40°C Operating Temperature.
OS Support	Windows 10. Windows 11. Windows Server. Linux.
Other Features	TPM 2.0. Watchdog timer. iAMT/vPro (**Suitable CPU required**). Independent display support.
Certification	CE / UKCA.

Ordering Information

Part Code	Description
RM-1000-ALD	1U Industrial computer with 12th gen Intel® Core™ i3/i5/i7/i9 CPU and up to 2x PCIe x8 slots.

ⓘ **RM-1000-ALD_Datasheet_10_2022_Rev1**
Technical specifications are subject to change without notice. E & OE Issue A.