

RMBC401-W680

Specification

19" 4U Rack Mount System with Intel® W680 Chipset, Intel® 14th/13th/12th Gen (Raptor Lake-S Refresh/Raptor Lake-S/Alder Lake-S) Core™ Processors with W680 chipset



Features

- 4U rackmount chassis, space-saving for more expansion
- Intel® 14th/13th/12th Gen (Raptor Lake-S Refresh/Raptor Lake-S/Alder Lake-S) Core™ Processors with W680 chipset
- I/O: 1xHDMI, 1xDP, 5 x USB 3.2 Gen2, 1 x USB 3.2 Gen2x2 3 x Intel 2.5 Gigabit LAN, COM1, COM2 (RS-232/422/485)
- Support dual port 10Gb SFP+
- Built-In Nvidia RTX4000 Card

Specification

Standard Color	Black
Form Factor	19" Rackmount Chassis 4U
CPU	Intel® 14th/13th/12th Gen (Raptor Lake-S Refresh/Raptor Lake-S/Alder Lake-S) 4 x 288-pin ECC/non-ECC Long-DIMM DDR4 3200 MHz, up to 128GB (32GB per DIMM)
Chipset	Intel® W680 Chipset
OS Support	Win 10, 11 & Linux supported
System I/O Port	1xHDMI, 1xDP 2xDP 5 x USB 3.2 Gen2, 1 x USB 3.2 Gen2x2 3 x Intel 2.5 Gigabit LAN COM1, COM2 (RS-232/422/485)
Storage	6 x 3.5" HDD drive bays Optional CD-RW, DVD, CD, and Floppy Drivers Support RAID 0, 1, 5, 10"
Expansion	Built-In Nvidia RTX4000 Card / Dual port 10Gb SFP+
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min. / step
Power	ATX
Operating Temperature	0°C~+ 60°C (32°F~+ 140°F)
Storage Temperature	- 40°C~+ 75°C (- 40°F~+ 167°F)
Humidity	0%~90% (non-condensing)
Dimensions	19" x 4U x 18.89"

Optional Graphics cards for AI training / inference:

Models	FP32	Tensor Float 32 (TF32)	BFLOAT16 Tensor Core
A100 80G PCIe	19.5 TFLOPS	156 TFLOPS 312 TFLOPS*	312 TFLOPS 624 TFLOPS*
H100 NVL	60 teraFLOPs	835 teraFLOPs	1,671 teraFLOPS
L40S GPU	91.6 teraFLOPS	366 teraFLOPS	362.05 733*

