RM645-ERX810

5th/4th Gen Intel® Xeon® Scalable Family
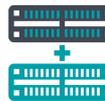Rackmount Edge-Server System

KEY FEATURES

Powerful 4U Edge AI Server
Dual 5th/4th Gen Intel® Xeon® Scalable processors for great AI computing

Multiple PCIe card expansion available
Supports 4 PCIe x16 and 2 PCIe x8 Gen.5 slots for full-height, 10.5" length expansion cards

High-Availability Storage
Accommodating up to 4 E1.S NVMe SSDs and 4 2.5-inch drive bays for Hyper scale storage density with datacenter-grade performance

Versatile I/O
4 GbE, 1 IPMI LAN, 4 USB 3.2, 1 DP, 1 M.2 2280 M-Key

IPMI
IPMI-based out-of-band management for remote system monitoring and control

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PANEL

COMING SOON

SPECIFICATION

SYSTEM	**Processor**	5th Generation Intel® Xeon® Scalable Processor Family, LGA 4677 Socket, TDP upto 270W: Intel® Xeon® Gold 6548Y+ Processor (32 Cores, 60 MB Cache, up to 4.1 GHz); 250W Intel® Xeon® Gold 6548N Processor (32 Cores, 60 MB Cache, up to 4.1 GHz); 250W Intel® Xeon® Gold 6538N Processor (32 Cores, 60 MB Cache, up to 4.1 GHz); 205W Intel® Xeon® Gold 6530 Processor (32 Cores, 160 MB Cache, up to 4 GHz); 270W Intel® Xeon® Gold 6526Y Processor (16 Cores, 37.5 MB Cache, up to 3.9 GHz); 195W Intel® Xeon® Gold 5520+ Processor (28 Cores, 52.5 MB Cache, up to 4 GHz); 205W Intel® Xeon® Gold 5515+ Processor (8 Cores, 22.5 MB Cache, up to 4.1 GHz); 165W Intel® Xeon® Silver 4516Y+ Processor (24 Cores, 45 MB Cache, up to 3.7 GHz); 185W Intel® Xeon® Silver 4514Y Processor (16 Cores, 30 MB Cache, up to 3.4 GHz); 150W Intel® Xeon® Silver 4510 Processor (12 Cores, 30 MB Cache, up to 4.1 GHz); 150W Intel® Xeon® Silver 4510T Processor (12 Cores, 30 MB Cache, up to 3.7 GHz); 115W Intel® Xeon® Silver 4509Y Processor (8 Cores, 22.5 MB Cache, up to 4.1 GHz); 125W
		4th Generation Intel® Xeon® Scalable Processor Family, LGA 4677 Socket, TDP upto 270W: Intel® Xeon® Gold 6448Y Processor (32 Cores, 60 MB Cache, up to 4.10 GHz); 225W Intel® Xeon® Gold 6438N Processor (32 Cores, 60 MB Cache, up to 3.60 GHz); 205W Intel® Xeon® Gold 6430 Processor (32 Cores, 60 MB Cache, up to 3.40 GHz); 270W Intel® Xeon® Gold 6428N Processor (32 Cores, 60 MB Cache, up to 3.80 GHz); 185W Intel® Xeon® Gold 6426Y Processor (16 Cores, 37.5 MB Cache, up to 4.10 GHz); 185W Intel® Xeon® Gold 6418H Processor (24 Cores, 60 MB Cache, up to 4.00 GHz); 185W Intel® Xeon® Gold 5420+ Processor (28 Cores, 52.5 MB Cache, up to 4.10 GHz); 205W Intel® Xeon® Gold 5418N Processor (24 Cores, 45 MB Cache, up to 3.80 GHz); 165W Intel® Xeon® Gold 5418Y Processor (24 Cores, 45 MB Cache, up to 3.80 GHz); 185W Intel® Xeon® Gold 5415+ Processor (8 Cores, 22.5 MB Cache, up to 4.10 GHz); 150W Intel® Xeon® Silver 4416+ Processor (20 Cores, 37.5 MB Cache, up to 3.90 GHz); 165W Intel® Xeon® Silver 4410T Processor (10 Cores, 26.25 MB Cache, up to 4.00 GHz); 150W Intel® Xeon® Silver 4410Y Processor (12 Cores, 30 MB Cache, up to 3.90 GHz); 150W
	Chipset	Intel® C741 Chipset
	Memory	16 x ECC-RDIMM up to 2048KB DDR5 Max. 5600MHz
	BIOS	Insyde
GRAPHICS	**Display**	1 x DP
STORAGE	**External**	4 x 2.5" hotswap bay 4 x E1.S SSD bay(Opt.)
	Internal	1 x M.2 2280 M key
EXPANSION	**Interface**	4 x PCIe x16 (Gen 5) 2 x PCIe x8 (Gen5) 1 x M.2 M key 2280
AUDIO	**Audio Codec**	ALC888S
ETHERNET	**Controller**	4 x Intel® I210AT IPMI: RTL8211F
FRONT I/O	**LED**	1 x Power LED 1 x HDD LED
	Ethernet	4 x GbE 1 x Dedicated IPMI LAN
	Serial	1 x RS-232/422/485 (DB-9)
	USB	4 x USB 3.2 Gen1
	Display	1 x DP
	Audio	Internal: Front Audio
	Button	1 x Power Button
COOLING	**Fan**	2x 12CM system Fan
OS Support	**OS Support**	Windows 11 LTSC Widows server 2022 LTSC
POWER	**Supply**	ATX PS2/ Redundant (Opt)
	Consumption	TBD
ENVIRONMENT	**Operating Temperature**	0°C~40°C
MECHANISM	**Construction**	Heavy Industrial Steel
	Mounting	Rack mount kit
	Dimensions (W x H x D)	481.6 x 175.6 x 470.8mm
	Weight	TBD
	Color	Black
STANDARDS AND CERTIFICATIONS	**Certification**	TBD