

4U8G-ICX2/2T

4U10G-ICX2/2T



PCI-E 4.0



10Gbase-T

Application

- AI Training
- Big Data Analytics
- HPC
- Rendering
- VDI



		4U8G-ICX2/2T	4U10G-ICX2/2T
CPU	Socket	1+1 Socket P+ (LGA4189) for 3rd Gen Intel® Xeon® Scalable Processors	1+1 Socket P+ (LGA4189) for 3rd Gen Intel® Xeon® Scalable Processors
DIMM	Slot	16+16 DDR4 288-pin (2DPC)	16+16 DDR4 288-pin (2DPC)
System Physical Status	Form Factor	4U Rackmount	4U Rackmount
	Chassis Dimension	845 x 438 x 176.5 mm (33.27" x 17.24" x 6.95")	845 x 438 x 176.5 mm (33.27" x 17.24" x 6.95")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button w/ LED	Power button w/ LED, Reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED	System fault LED, HDD activity LED
	I/O	2 RJ45 (10GbE) by Intel® X710-AT2, shares with Rear IO 4 USB3.2 Gen1 ports 1 DB15 (VGA)	2 RJ45 (10GbE) by Intel® X710-AT2, shares with Rear IO 4 USB3.2 Gen1 ports 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (10GbE) by Intel® X710-AT2, shares with Front Panel	2 RJ45 (10GbE) by Intel® X710-AT2, shares with Front Panel
	Others	UID button w/ LED, Power button w/ LED, Reset button, NMI button, System fault LED, HDD activity LED, 1 DB15 (VGA) 1 dedicated IPMI, shares with Front Panel	UID button w/ LED, Power button w/ LED, Reset button, NMI button, System fault LED, HDD activity LED, 1 DB15 (VGA) 1 dedicated IPMI, shares with Front Panel
Expansion Slots	Front	1 FH PCIe3.0 x4 [PCH] 1 FH PCIe3.0 x4 [PCH] ^{Note1} 1 OCP3.0 PCIe3.0 x4 [PCH] ^{Note2} (optional)	1 FH PCIe4.0 x16 [CPU0] 1 FH PCIe4.0 x16 [CPU1] 1 OCP3.0 PCIe4.0 x16 [CPU1]
	Rear	4 FH dual-slot PCIe4.0 x16 [CPU0] 4 FH dual-slot PCIe4.0 x16 [CPU1]	5 FH dual-slot PCIe4.0 x16 or 10 FH single-slot PCIe4.0 x8 [PEX88096 PCIe switch connect to CPU0] 5 FH dual-slot PCIe4.0 x16 or 10 FH single-slot PCIe4.0 x8 [PEX88096 PCIe switch connect to CPU1] 1 FH single-slot PCIe4.0 x16 [CPU1]
Drive Bay/ Storage	External	2 Hot-swap 3.5" SATA drive bays 10 Hot-swap 3.5" drive bays ^{Note3}	6 Hot-swap 3.5" NVMe drive bays 4 Hot-swap 3.5" SATA drive bays 2 Hot-swap 3.5" SATA/NVMe drive bays
	Internal	2 M-key ^{Note1} (PCIe3.0 x4 or SATA 6Gb/s), supports 22110/2280 form factor [PCH]	2 M-key ^{Note1} (PCIe3.0 x4 or SATA 6Gb/s), supports 22110/2280 form factor [PCH]
Power Supply	Module	3+1 Platinum 1600W CRPS	3+1 Platinum 1600W CRPS
System Cooling	Fan	5 Middle Hot-swap 80 x 80 mm fans 5 Rear Hot-swap 80 x 38 mm fans	5 Middle Hot-swap 80 x 80 mm fans 5 Rear Hot-swap 80 x 38 mm fans
Management		ASPEED BMC AST2500	ASPEED BMC AST2500
Security		TPM by optional accessory	TPM by optional accessory

Note1: 1 FH PCIe3.0 x4 will be disabled when M2_2 is populated

Note2: Supports 1 OCP3.0 PCIe3.0 x4 possible by cable reconfiguration

Note3: Please contact ASRock Rack if additional 10 Hot-swap 3.5" drive bays need to be supported