

4U8G-ROME2/2T

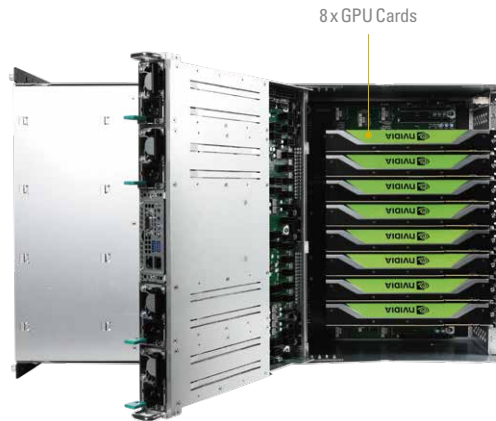
4U10G-ROME2/2T



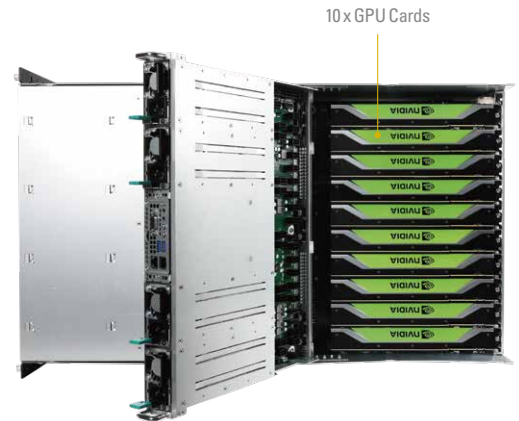
GPGPU



10Gbase-T



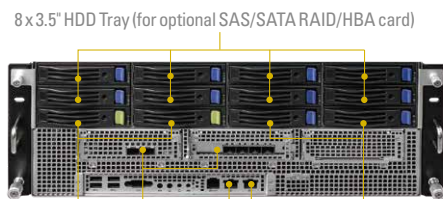
8 x GPU Cards



10 x GPU Cards

Application

- Deep learning
- Big data analytics
- HPC
- Machine learning



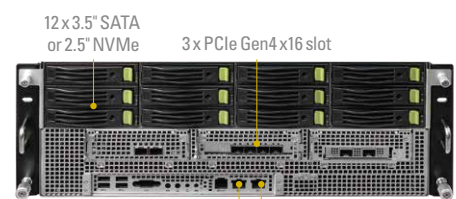
8 x 3.5" HDD Tray (for optional SAS/SATA RAID/HBA card)

2 x 3.5" HDD Tray for 2.5" PCIe x4 NVMe

2 x RJ45 10G LAN by Intel® X550

2 x 3.5" HDD Tray (for 2.5" PCIe x4 NVMe, share with PCIe x8 slot)

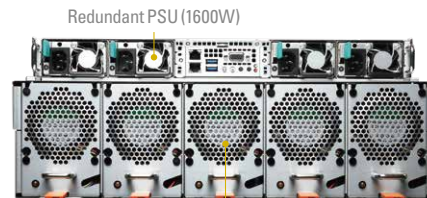
2 x PCIe Gen4x8 slot



12 x 3.5" SATA or 2.5" NVMe

3 x PCIe Gen4 x16 slot

2 x RJ45 10G LAN by Intel® X550



Redundant PSU (1600W)

5 x Rear FAN



Redundant PSU (1600W)

5 x Rear FAN



4U8G-ROME2/2T

System Physical Status	Form Factor	4U Rackmount
	Chassis Model	4U8G
	Chassis Dimension	845mm*438mm*176.5mm (33.3" x 17.2" x 6.95") (D/W/H, w/o Front Panel) (with Rear Fan)
	Support MB Size	SSI EEB 12" x 13" (ROME2D32GM-2T)
CPU		Dual Socket SP3(LGA4094) Supports AMD EPYC™ 7002 and 7003 Series Processors
System Memory		32 DIMM Slots, Supports Eight-Channel DDR4 3200/2933 R DIMM (Modules up to 64GB Supported), and LR DIMM (Modules up to 256GB Supported)
Front Panel	Buttons	Power button, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O Port	2 x USB3.1 Ports
Ethernet	Interface	10000/1000/100/10 Mbps
	LAN Controller	2 x RJ45 10GLAN by Intel® X550 1 x RJ45 Dedicated IPMI LAN port
External Drive Bay	Front Side Drive Bay	1. 2 x 3.5" HDD Trays (for 2.5" PCIe x4 NVMe)
		2. 2 x 3.5" HDD Trays (for 2.5" PCIe x4 NVMe, share with PCIe x8 slot)
		3. 8 x 3.5" HDD Trays (for optional SAS/SATA RAID/HBA card)
Power Supply	Capacity	4 (3+1), Redundant
	Output Watts	1600W
	Efficiency	Platinum



4U10G-ROME2/2T

System Physical Status	Form Factor	4U Rackmount
	Chassis Model	4U10G
	Chassis Dimension	845mm*438mm*176.5mm (33.3" x 17.2" x 6.95") (D/W/H, w/o Front Panel) (with Rear Fan)
	Support MB Size	SSI EEB 12" x 13" (ROME2D32GM-2T)
CPU		Dual Socket SP3(LGA4094) Supports AMD EPYC™ 7002 and 7003 Series Processors
System Memory		32 DIMM Slots, Supports Eight-Channel DDR4 3200/2933 R DIMM (Modules up to 64GB Supported), and LR DIMM (Modules up to 256GB Supported)
Front Panel	Buttons	Power button, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O Port	2 x USB3.1 Ports
Ethernet	Interface	10000/1000/100/10 Mbps
	LAN Controller	2 x RJ45 10GLAN by Intel® X550 1 x RJ45 Dedicated IPMI LAN port
External Drive Bay	Front Side Drive Bay	12 x 3.5" HDD Trays supporting 3.5" SATA or 2.5" NVMe
Power Supply	Capacity	4 (3+1), Redundant
	Output Watts	1600W
	Efficiency	Platinum

2U4N-F/ROME-M3



3200

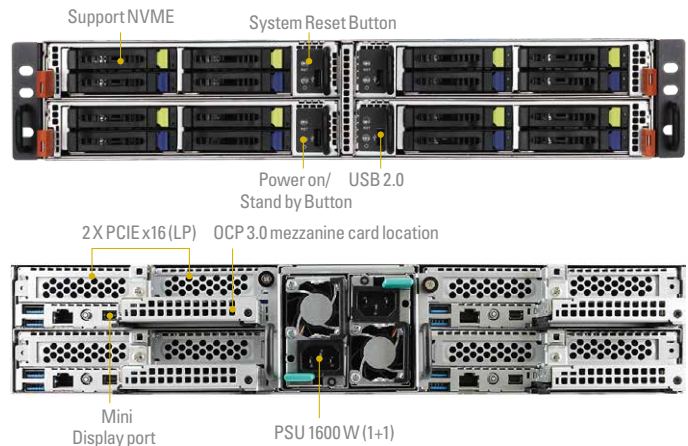


10Gbase-T



OCP NIC 3.0

High Performance and High-density Computing Nodes for HPC, Cloud Computing, Internet Security and Science



Multi-node

2U4N-F/ROME-M3

System Physical Status	Form Factor	2U Rackmount
	Chassis Model	2U4N-F
	Chassis Dimension	778 x 448 x 86mm
	Support MB Size	Half-Width (20"x6.5")(ROMED8HM3 x 4)
CPU	Single Socket SP3(LGA4094), supports AMD EPYC™ 7002 and 7003 Series Processors	
System Memory Per Node	8 DIMM Slots, Supports Eight-Channel DDR4 3200/2933 R DIMM (Modules up to 64GB Supported), and LR DIMM (Modules up to 256GB Supported)	
Front Panel	Buttons	Power On/Standby Button (Per Node) in the Front System Reset Button (Per Node) in the Front UID Button (per Node) in the Rear
	LEDs	HDD Act/Err/Locate LED Power LED (Front Panel Per Node) UID LED (Front Panel Per Node)
	I/O Port	1 x USB 2.0 Port (Per Node)
MB Per Node	USB 3.1 Gen 1	2
	VGA	1 x Mini DisplayPort (need to bundle ASRockRack special cable for VGA)
	LAN Port	RJ45: 1(IPMI) LAN Ports with LED (ACT/LINK LED and SPEED LED)
Expansion slot	PCIe 3.0 x16	2 Slots (Low Profile Card)
	OCP Mezzanine 3.0	1 Slot
Drive Bay	M.2	2 Slots (SATA/PCIe 4.0 x4, 2280/22110/30110)
Power Supply	External	4 x 2.5" HDD/SSD per node (all SATA or 2 x NVME* + 2 x SATA)
	Output Watts	2 (1+1) 1600W Redundant
	Efficiency	Platinum
System Cooling Per Node	Fan	4 x 40*56mm Fans

ROME2D16-2T



4094



3200

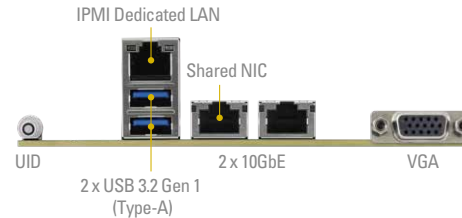
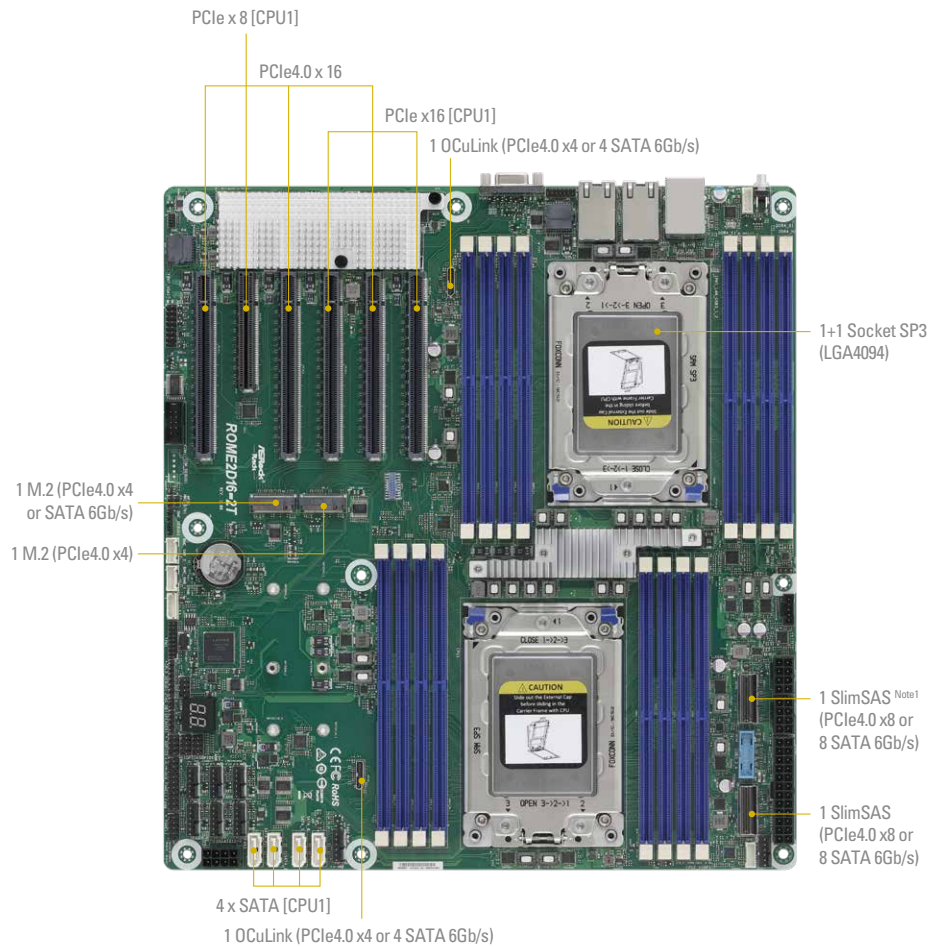


10Gbase-T

AMD EPYC 7000

Application

- Mainstream server for SMB
- High-end workstation/ industrial application
- Tier2/3 CSPs
- Security appliances



		ROME2D16-2T
Form Factor		EEB (12" x 13")
Processor System	CPU PCH	Dual Socket SP3(LGA4094) Supports AMD EPYC™ 7002 and 7003 Series Processors System on chip
Memory	Capacity	8+8 DIMM Slots (1DPC); Supports DDR4 R-DIMM up to 3200MHz, 64GB/ LR-DIMM up to 3200MHz, 256GB
Expansion	PCIe slot Others	3 PCIe4.0 x16 [CPU0], 2 PCIe4.0 x16, 1 PCIe4.0 x8 [CPU1] 2 Oculink (PCIe4.0 x4 or 4 SATA 6Gb/s) [CPU0,CPU1] 1 Slimline (PCIe4.0 x8 or 8 SATA 6Gb/s) [CPU0]*, 1 Slimline (PCIe4.0 x8 or 8 SATA 6Gb/s) [CPU1]
Storage	M.2 SATA port	1 M-key (PCIe4.0 x4 or SATA 6Gb/s), supports 22110/2280/2242 form factor [CPU0] 1 M-key (PCIe4.0 x4), supports 22110/2280/2242 form factor [CPU0] 4 SATA 7-pin, 8 from Slimline connector, 8 from Oculink connectors
Network	RJ45	2 RJ45 (10GbE) by Intel® X550-AT2
Management	BMC Dedicated IPMI	ASPEED AST2500 : IPMI (Intelligent Platform Management Interface) 2.0 1 RJ45 via Realtek RTL8211E
I/O	USB	4 USB3.2 Gen1 ports: 2 rear Type A, 2 via 19-pin header

* Slimline from CPU0 support PCIe only while installing 2 processors