Performance-optimized
AMD EPYC™ 7000 Server Solutions
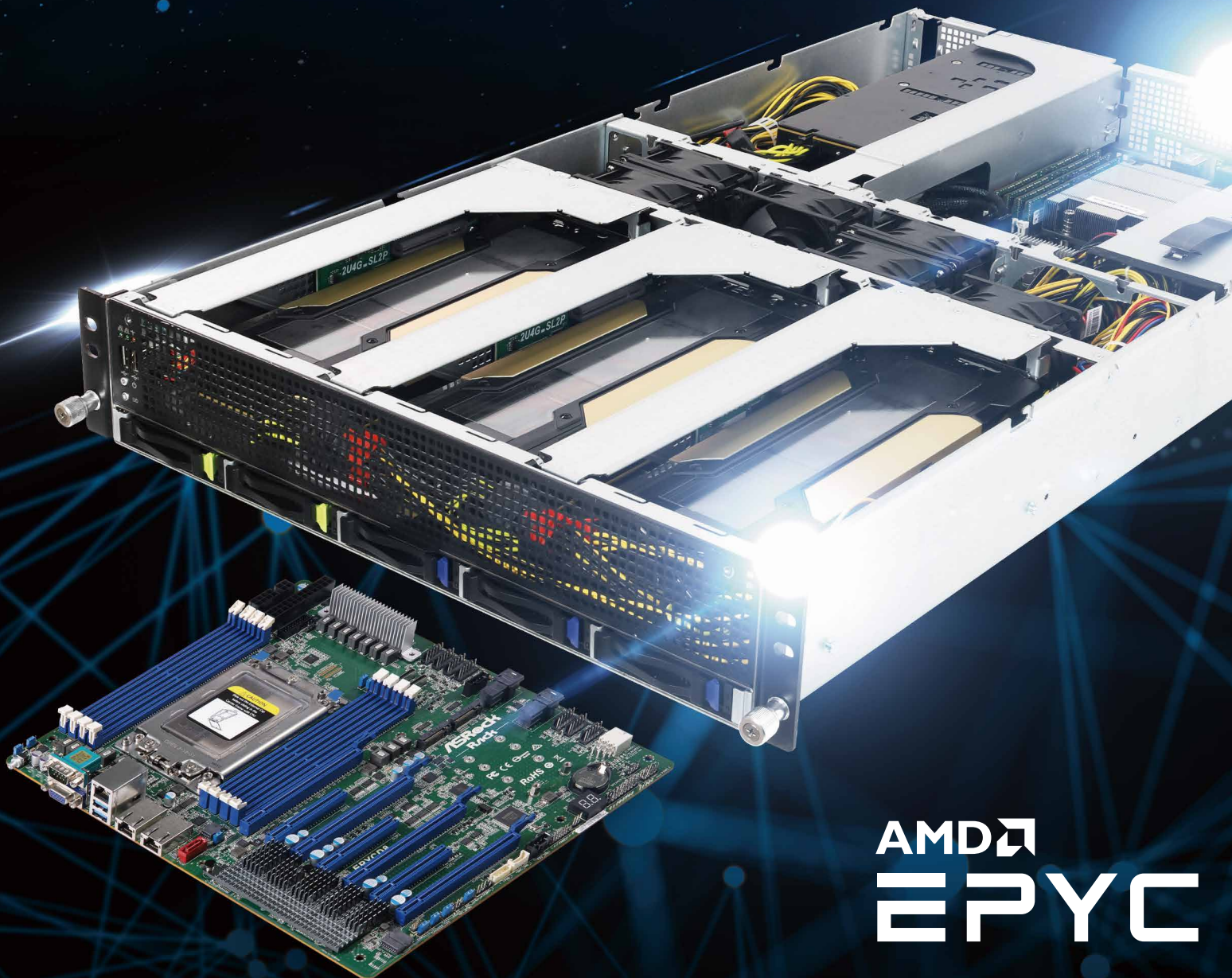
AMD EPYC

October 2018

AMD EPYC

2U4G-EPYC-2T
2U4G-EPYC

EPYC Series 7000
DDR4 2666 2666
10G 10Gbase-T

Application

- Artificial Intelligence
- Machine Learning
- HPC
- Virtualization

3 x GPU Cards (290 x 130 x 50 mm)
6 x System Fans 80 x 38 mm
1 x GPU Card (290 x 130 x 43 mm)
1 x Low Profile PCIe x8 Expansion Slot

Sufficient Space Design to Install Multiple Graphics Cards has no Conflicts with PSUs

2 x 10GBase-T LAN ports (2U4G-EPYC-2T)
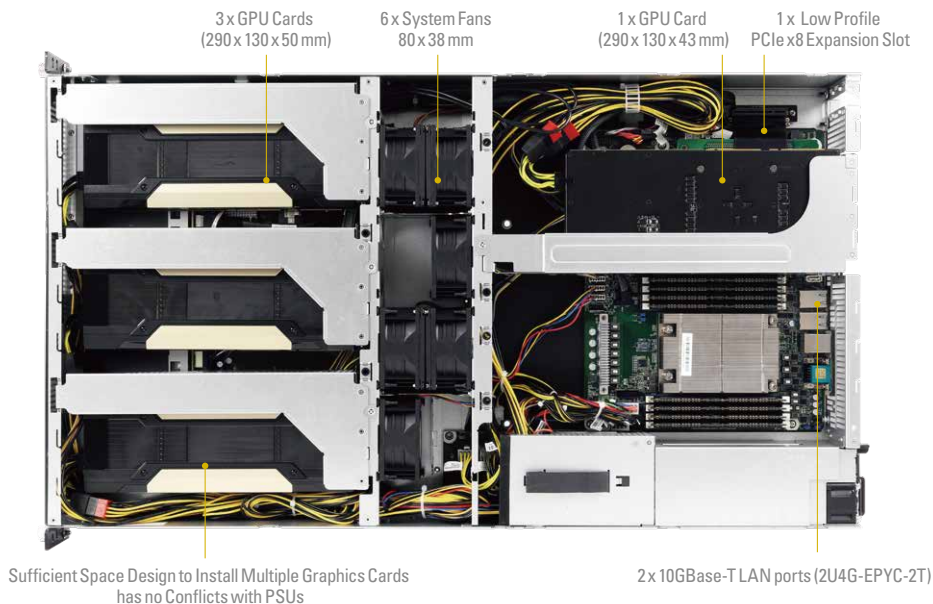
Front Panel

NVMe Capable
4 * 2.5" SATA (Default)

2000W (1+1) Platinum Redundant PSUs
2 x 10GBase-T LAN ports (2U4G-EPYC-2T)
Low Profile PCIe X8

		2U4G-EPYC	2U4G-EPYC-2T
System Physical Status	Form Factor	2U Rackmount	
	Chassis Dimension	438 x 795 x 87.5 mm (without ear)	
	Support MB Size	ATX, 12" x 9.6"	
Front Control Panel	Buttons	Power Button, UID Button	
	LEDs	System LED, UID LED, Power LED, 2 x LAN LEDs (L1 , L2 LED)	
	I/O Ports	2 x USB 2.0 Ports	
MB Tray	VGA Port	1 x D-Sub	
	Serial Port	1 x COM Port	
	USB 3.0 Port	2 Ports	
	LAN Port	RJ45:2(1G)+1(IPMI)	RJ45:2(10G)+1(IPMI)
	UID	1	
GPGPU Support	GPGPU Watts	Max 300W Per Card (if Use Single Width Card, Max 150W)	
	GPU Card Quantity	4 x GPGPU/MIC Cards (Double Width) or 8 x GPU/PCIe Cards (Single Width)	
External Drive Bay	Front Side Drive Bay	4 x 2.5" SATA 6GB/s HDDs (1 x SATA3 HDD could support NVMe or SATA3 6GB/s HDDs) + 1 x NVMe SSD	
Power Supply	Capacity	1+1 Redundant	
	Output Watts	2000W, Platinum	
System Fan	Fan	6 x 80*38mm System Fans	

AMD
EPYC

EPYCD8-2T
EPYCD8

EPYC Series
7000

DDR4 2666
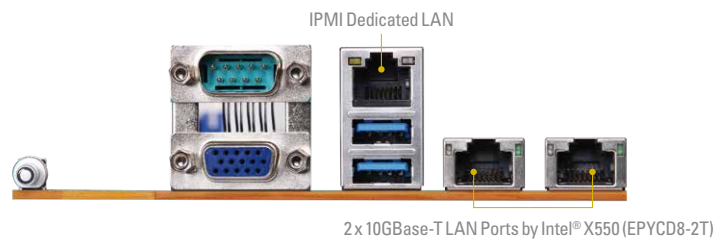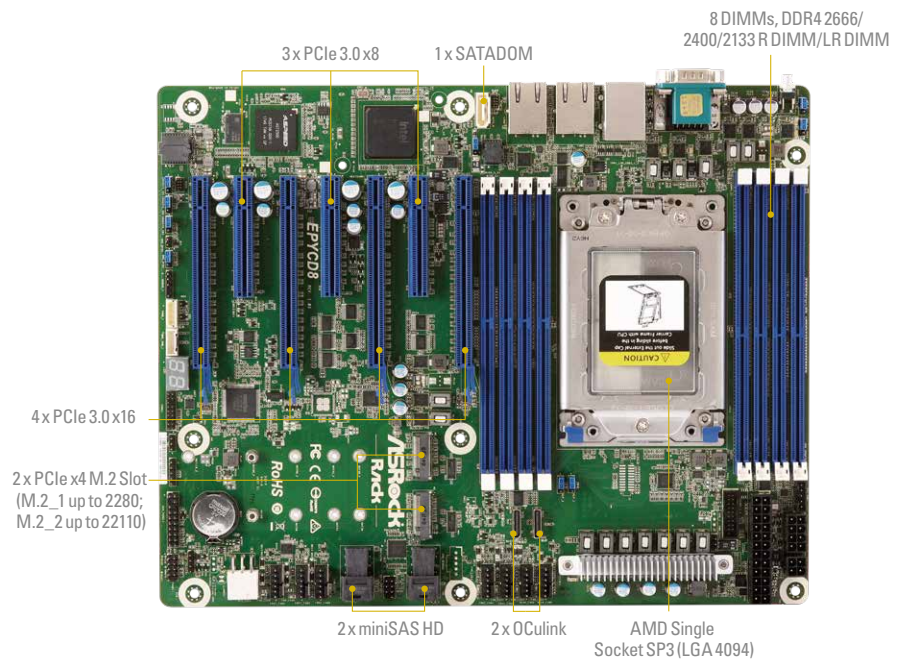2666

10G
10Gbase-T

Application

· Cloud and Virtualization Applications
· Database Processing & Storage
· High-end Enterprise Server

3 x PCIe 3.0 x8
1 x SATADOM
8 DIMMs, DDR4 2666/ 2400/2133 R DIMM/LR DIMM

4 x PCIe 3.0 x16

2 x PCIe x4 M.2 Slot (M.2_1 up to 2280; M.2_2 up to 22110)

2 x miniSAS HD
2 x OCulink
AMD Single Socket SP3 (LGA 4094)

IPMI Dedicated LAN

2 x 10GBase-T LAN Ports by Intel® X550 (EPYCD8-2T)

		EPYCD8	EPYCD8-2T
Form Factor		ATX(12" x 9.6")	
Processor Support		Single Socket SP3 (LGA4094), Supports AMD EPYC™ 7000 Series Processor Family	
Chipset		N/A	
System Memory	Capacity	Eight Channels, 8 DIMMs, DDR4 2133/2400/2666 R DIMM (32GB DIMM Module Supported), and LR DIMM (64GB DIMM Module Supported)	
	Voltage	1.2V	
Storage	Intel PCH	11 x SATA3 6.0 Gb/s (from 2 x miniSAS HD, 1 x SATA DOM, 2 x PCIe x4 M.2 Slot (M.2_1: 2230/2242/2260/2280; M.2_2: 2230/2242/2260/2280/22110 (110 x 30.5mm), SATA and PCIe Colay (SATA/PCIe x4))	
Expansion Slots		4x PCIe3.0 x16, 3x PCIe3.0 x8	
Ethernet	LAN Controller	Intel® i350	Intel® X550
	LAN Port	RJ45:2(1G)+1(IPMI)	RJ45:2(10G)+1(IPMI)
System Management	BMC Controller	ASPEED 2500: IPMI (Intelligent Platform Management Interface) 2.0 with IKVM, VMedia Support	
	IPMI Dedicated LAN	1 x Realtek RTL8211E for Dedicated Management GLAN	
	Features	Watch Dog, NMI	
Rear Panel I/O	VGA Port	1 x D-Sub	
	Serial Port	1 x COM port	
	USB 3.0	4(2 from Rear I/O, 2 via Header)	
	UID	1	

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