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Dear Andreas,

Good day. 😊

In February, new models can support the 4th Gen Intel Xeon Scalable Processors-Eagle stream platform is ASROCKRACK's climax, their main purpose is delivering real-world performance for fast-growing workloads.

Motherboards include single-socket [SPC741D8UD-2T/X550](#), [SPC741D8QM3-2T](#), [SPC741D8-2L2T/BCM](#), dual-socket [SP2C741D16X-2T](#), [SP2C741D16NQM3-2Q](#) with 8 MCIO.

Half-width [SPC741D8HM3](#), [SP2C741D16HM3](#), and Proprietary [SP2C741D32TM3](#) with 16+16 DIMM slots. These new boards were built for memory expansion and connectivity capacities.

ASRock Rack released 1U general storage purpose servers [1U4L4E-EGS/2T](#), [1U4L-EGS/2T](#) with single socket, and NVMe storage dual-socket servers [1U12E-EGS2](#).

Also, 2U rackmount with 1+1 2700W CRPS, [2U24E-EGS2](#) support 24 Hot-swap 2.5" NVMe; [2U4G8E-EGS2](#) can support 4 GPU cards, and 8 Hot-swap 2.5" NVMe, which can effectively meet the needs of high-performance applications for all of your cloud, hyper-scale, enterprise, and high-performance computing.

The new solutions are advanced with 8-channel DDR5 memory bandwidth and two times I/O bandwidth increase PCIe Gen5 for performance optimisation, and operational efficiency across diverse workloads in the cloud, HPC, AI, deep learning, and networking.

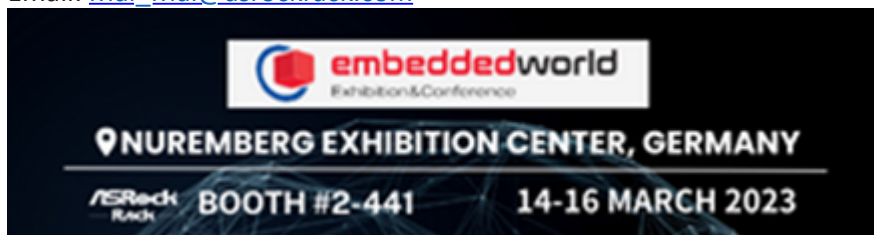
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Dear Valued Customers,

## ASROCK RACK TOP ARCHITECTURE SOLUTIONS IN 2023



ASRock Rack has launched its extensive server portfolio with up to 8 motherboards and 5 server systems powered by a 4th Gen Intel Xeon Scalable processor, enabling it to deliver real-world performance for fast-growing workloads. The new product line of motherboards includes single-socket [SPC741D8UD-2T/X550](#), [SPC741D8QM3-2T](#), [SPC741D8-2L2T/BCM](#), half-width [SPC741D8HM3](#) with 8 DIMM slots; dual socket [SP2C741D16X-2T](#), [SP2C741D16NQM3-2Q](#) with 8 MCIO, half-width [SP2C741D16HM3](#), and [SP2C741D32TM3](#) with 16+16 DIMM slots. All these new boards were built for the new degrees of memory expansion and connectivity capacities.

System-wise, ASRock Rack has released up to two general storage purpose servers, one GPU server, and two all-flash NVMe servers to support the new 4th Gen Intel Xeon Scalable processor, including single socket [1U4L4E-EGS/2T](#), [1U4L-EGS/2T](#), dual-socket [1U12E-EGS2](#), and 2U rackmount with 1+1 2700W CRPS [2U24E-EGS2](#) and [2U4G8E-EGS2](#). These new architecture server solutions are advanced with 8-channel DDR5 memory bandwidth and two times I/O bandwidth increase PCIe

Gen5 for performance optimization and all of your high-performance computing needs.

To learn more details about the ASRock Rack product info, please visit <https://www.asrockrack.com>.

## **ASRock Rack Extensive Server Boards Supporting 4th Gen Intel Xeon Scalable Processors Are Available Now**

### Product Highlights

#### **SPC741D8UD-2T/X550**



#### **Compact Motherboard Supporting up to 4 PCIe5.0 x16**



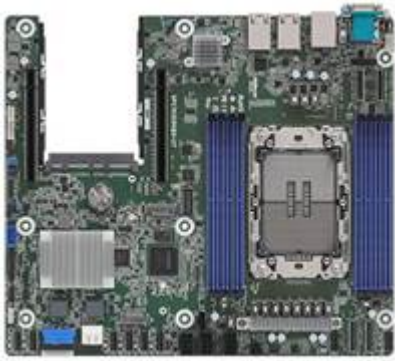
- Deep Micro-ATX (10.4" x 10.5")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS
- 4 PCIe5.0 / CXL1.1 x16
- 2 MCIO (PCIE5.0 x8)
- Supports 1 M.2 (PCIe3.0 x4 or SATA 6Gb/s)
- Up to 9 SATA 6Gb/s
- 2 RJ45 (10GbE) by Intel X550-AT2
- Supports ATX PSU or 12V DC-in
- Remote management (IPMI)

**[【More】](#)**

#### **SPC741D8QM3-2T**



#### **Versatile Board Delivering Flexibility for Both Rear and Front I/O Expansions**



- CEB (12" x 10.5")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS/ Intel® Optane™ Persistent Memory 300 Series
- 1 PCIe5.0 / CXL1.1 x16
- 1 PCIe4.0 x16
- 4 MCIO (PCIe5.0 x8)
- 1 OcuLink (PCIe3.0 x4 or SATA 6Gb/s)
- Supports 2 M.2 (PCIe3.0 x4 or SATA 6Gb/s)
- Up to 8 SATA 6Gb/s
- 1 OCP NIC 3.0 (PCIe5.0 x16)
- 2 RJ45 (10GbE) by Intel® X550-AT2
- Remote management (IPMI)

[【More】](#)

## [SPC741D8-2L2T/BCM](#)



### Great I/O Expansions Board Supporting 4 Dual-slot GPU/FPGA Cards in CEB Form Factor



- CEB (12" x 10.5")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS/ Intel® Optane™ persistent memory 300 series
- 4 PCIe5.0 / CXL1.1 x16
- 1 MCIO, 2 MCIO
- 2 M.2 slots (PCIe3.0 x4 or SATA 6Gb/s)
- Up to 14 SATA 6Gb/s
- 2 RJ45 (10GbE) by Broadcom BCM57416
- 2 RJ45 (1GbE) by Intel® i210
- Remote Management (IPMI)

[【More】](#)

## [SPC741D8HM3](#)



### Single-socket Board Keeping Advanced Feature Set for Space-constrained Applications



- Half-Width (6.6" x 17")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS
- 2 Slim Cool Edge (PCIe5.0 / CXL1.1 x16)
- 4 MCIO (PCIe5.0 x8)
- 2 OCulink
- Supports 2 M.2 (PCIe3.0 x4 or SATA 6Gb/s)
- Up to 8 SATA 6Gb/s
- 1 OCP NIC 3.0 (PCIe5.0 x16)
- Remote management (IPMI)

[【More】](#)

## [SP2C741D16X-2T](#)



### Dual-socket Server Board Supporting a Total of 6 PCIe5.0 x16 and 1 PCIe5.0 x8



- EEB (12.4" x 14")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 8+8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS/ Intel® Optane™ Persistent Memory 300 Series
- 6 PCIe5.0 / CXL1.1 x16
- 1 PCIe5.0 x8



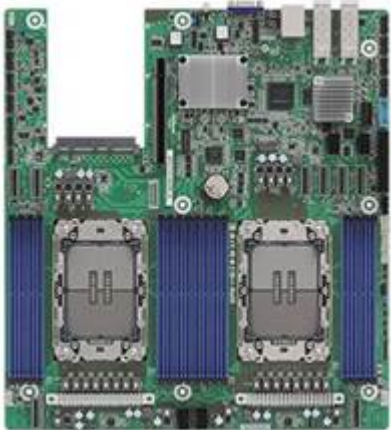
- 2 MCIO (PCIe5.0 x8)
- Supports 1 M.2 (PCIe5.0 x4)
- Up to 13 SATA 6Gb/s
- 2 RJ45 (10GbE) by Intel X710-AT2
- Remote management (IPMI)

[【More】](#)

## [SP2C741D16NQM3-2Q](#)



### Thermal Optimized Motherboard for a Variety of I/O Expansions Supporting up to 8 MCIO



- EEB (12.8" x 14")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 8+8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS/ Intel® Optane™ Persistent Memory 300 Series
- 1 PCIe5.0 / CXL1.1 x16
- 8 MCIO (PCIe5.0 x8)
- 1 OcuLink (PCIe3.0 x4 or SATA 6Gb/s)
- Supports 1 M.2 (PCIe5.0 x4)
- Up to 4 SATA 6Gb/s
- 1 OCP NIC 3.0 (PCIe5.0 x16)
- 2 SFP28 (25GbE) by Broadcom BCM57414
- Remote management (IPMI)

[【More】](#)

## [SP2C741D16HM3](#)



### Highly Expandable Dual-socket Half-width Server Board Supporting PCIe5.0



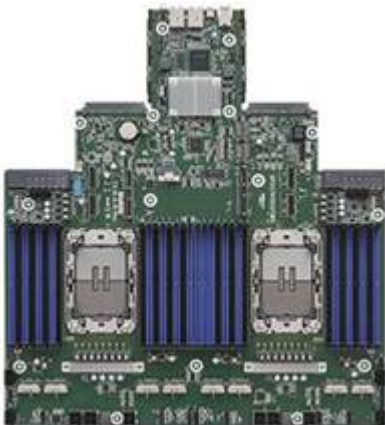
- Half-width (6.7" x 21")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 8+8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS
- 2 Gen Z 4C (PCIe5.0 / CXL1.1 x16)
- 2 ExaMAX (PCIe5.0 x16)
- 2 MCIO (PCIe5.0 x8)
- 2 M.2 (PCIe4.0 x4 or SATA 6Gb/s)
- Up to 10 SATA 6Gb/s
- 1 OCP NIC 3.0 (PCIe5.0 x16)
- Remote management (IPMI)

[【More】](#)

**SP2C741D32TM3**



### **Thermal Optimized Dual-socket Server Board for CPU/Memory Intensive Workloads**



- Proprietary (18.87" x 16.85")
- Supports 4th Gen Intel® Xeon® Scalable Processors
- 16+16 DIMM slots (2DPC), supports DDR5 RDIMM, LRDIMM, RDIMM/LRDIMM-3DS, and Intel® Optane™ Persistent Memory
- 2 Gen Z 4C (PCIe5.0 / CXL1.1 x16)
- 12 MCIO (PCIe5.0 x8)
- Supports 2 M.2 (PCIe4.0 x4)
- Up to 8 SATA 6Gb/s
- 2 OCP NIC 3.0 (PCIe5.0 x16)
- Remote management (IPMI)

## **Meet the ASRock Rack New Servers Powered by 4th Gen Intel Xeon Scalable Processors**

### Product Highlights

#### **1U4L4E-EGS/2T**



#### **1U Hybrid Storage Server Supporting 4 Gen5 NVMe plus 4 SATA Drive Bays**



- 1U Rackmount with 1+1 Platinum 750W Slim PSU
- Single Socket E (LGA 4677), supports 4th Gen Intel® Xeon® Scalable processors
- 8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS
- 4 Hot-swap 2.5" NVMe (PCIe5.0 x4)/SATA/SAS\* drive bays, 4 Hot-swap 3.5" SATA drive bays
- 1 FHHL PCIe5.0 x16
- Supports 1 M.2 (PCIe3.0 x4)
- 2 RJ45 (10GbE) by Intel® X550
- Remote management (IPMI)

[【More】](#)

#### **1U4L-EGS/2T**



#### **1U 4-Bay General Purpose Server for Enterprises**





- 1U Rackmount with 1+1 Platinum 750W Slim PSU
- Single Socket E (LGA 4677), supports 4th Gen Intel® Xeon® Scalable processors
- 8 DIMM slots (1DPC), supports DDR5 RDIMM/ RDIMM-3DS
- 1 FHHL PCIe5.0 x16
- 4 Hot-swap 3.5" SATA drive bays, 4 fixed 2.5" SATA drive bays
- Supports 1 M.2 (PCIe3.0 x4)
- 2 RJ45 (10GbE) by Intel® X550
- Remote Management (IPMI)

[【More】](#)

## [1U12E-EGS2](#)



### 1U Dual-socket All-flash Storage System with 12-NVMe Bays



- 1U Rackmount with 1+1 2100W CRPS
- Dual Socket E (LGA 4677), supports 4th Gen Intel® Xeon® Scalable processors
- 16+16 DIMM slots (2DPC), supports DDR5 RDIMM/ RDIMM-3DS/ Optane™ Persistent Memory 300 Series
- 12 Hot-swap 2.5" NVMe drive bays
- 2 FHHL PCIe 5.0 x16
- 2 OCP NIC 3.0 (PCIe 5.0 x16)
- Supports 2 M.2 (PCIe4.0 x4)
- Remote management (IPMI)

[【More】](#)

## [2U24E-EGS2](#)



### 2U 24-Bay Dual-socket All-flash Storage Server



- 2U Rackmount with 1+1 2700W CRPS
- Dual Socket E (LGA 4677), supports 4th Gen Intel® Xeon® Scalable processors
- 16+16 DIMM slots (2DPC), supports DDR5 RDIMM/ RDIMM-3DS/ Optane™ Persistent Memory 300 Series
- 24 Hot-swap 2.5" NVMe drive bays, 2 Hot-swap 2.5" SATA drive bays
- 4 HHHL PCIe 5.0 x16
- 2 OCP NIC 3.0 (PCIe 5.0 x16)
- Supports 2 M.2 (PCIe4.0 x4)
- Remote management (IPMI)

[【More】](#)

**2U4G8E-EGS2**



### **2U 8-Bay NVMe Dual-socket Server Supporting 4 Dual-slot GPU Cards**



- 2U Rackmount with 1+1 2700W CRPS
- Dual Socket E (LGA 4677), supports 4th Gen Intel® Xeon® Scalable processors
- 16+16 DIMM slots (2DPC), supports DDR5 RDIMM/ RDIMM-3DS/ Optane™ Persistent Memory 300 Series
- 8 Hot-swap 2.5" NVMe (PCIe5.0) drive bays, 2 Hot-swap 2.5" SATA drive bays
- 4 FHFL PCIe5.0 x16
- 2 OCP NIC 3.0 (PCIe5.0 x16)
- Supports 2 M.2 (PCIe4.0 x4)
- Remote management (IPMI)

[【More】](#)

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