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ESC8000 G4

Specifications

Processor / System Bus

2 x Socket P (LGA 3647)
1st and 2nd Gen Xeon® Scalable Processor Family

*Refer to support page for more information

Core Logic

Intel® Lewisburg PCH C621

Memory

Total Slots : 24 (6-channel per CPU, 12 DIMM per CPU)

Capacity : Maximum up to 3072GB RDIMM

Memory Type :

DDR4 2933/2666/2400 /2133 RDIMM

DDR4 2933/2666/2400 /2133 LRDIMM

DDR4 2933/2666/2400 /2133 LR-DIMM 3DS

DDR4 Intel® Optane™ DC Persistent Memory

Memory Size :

64GB, 32GB, 16GB RDIMM

128GB, 64GB, 32GB LRDIMM

128GB, 64GB LR-DIMM 3DS

* Refer to support page for more information

Expansion Slots

Full-length/Full-height:

8 x PCI-E x16 (Gen3 x16 link), FH, FL

* Single root topology : 8 from CPU1

Dual root topology : 4 from CPU1, 4 from CPU2

Half-length/Low-profile:

Rear:

Dual root topology: 2 x PCI-E x16 (Gen3 x 16 link),LP,HL
(1 from CPU1,1 from CPU2)

or

Single root topology: 1 X PCI-E x16 (Gen3 x16 link),LP,HL
(from CPU1)

Front:

1 x PCI-E x8 (Gen3 x8 link),LP,HL (from CPU2)

StorageSATA Controller :

Intel® C621

8 x SATA3 6Gb/s ports + 2 x M.2 connector (SATA 6Gb/s & PCIe® Gen3 x4
link 22110/2280/2260)

or

6 x SATA3 6Gb/s ports + 2 x NVMe drives + 2 x M.2 connector (SATA 6Gb/s &
PCIe® Gen3 x4 link 22110/2280/2260)

Intel® Rapid Storage Technology Enterprise(RSTe) (For Linux/Windows)
(Support Software RAID 0, 1, 5, 10)

Intel® VROC (For Linux/Windows)

(Support Software RAID 0/1)

Optional kits Controller :

ASUS PIKE II 3008 8-port SAS HBA card

ASUS PIKE II 3108 8-port SAS HW RAID card

12G SAS Support

Drive Bays8 x Hot-swap 2.5" Storage Bays

(Storage bay 1 & 2 support NVMe/SATA/SAS* drives, Storage bay 3~8
support SATA/SAS* drives. Storage bay location numbers are from top to
bottom. *SAS from optional ASUS PIKE II 3108/3008 cards.)

Networking1 x Dual Port Intel I350-AM2 Gigabit LAN controller + 1 x Mgmt LAN

GraphicAspeed AST2500 with 64MB VRAM

Front I/O Ports2 x USB 3.0 ports

2 x USB 2.0 ports

1 x VGA port

1 x COM port

Rear I/O Ports2 x RJ-45 GbE LAN ports

1 x RJ-45 Mgmt LAN port

Switch/LEDFront Switch/LED:

1 x Q-Code/Port 80 LED

1 x Power switch/LED

1 x Location switch/LED
1 x HDD Access LED
1 x Message LED
Front Switch/LED:
1 x Q-Code/Port 80 LED
1 x Power switch/LED
1 x Location switch/LED
1 x HDD Access LED
1 x Message LED
2 x LAN LED

OS Support Please find the latest OS support from
https://www.asus.com/event/Server/OS_support_list/OS.html

Management Solution ASUS Control Center Enterprise (Optional)
On-Board ASMB9-iKVM for KVM-over-IP

Regulatory Compliance BSMI, CE, FCC(Class A)

Dimensions 798mm x 439mm x 175.6mm (4U)
31.42" x 17.22" x 6.92"

Form Factor 4U

Power Supply 2+1 Redundant 1600W 80PLUS Platinum Power Supply;
100-127 / 200-240Vac, 12.9 / 9.5A (for each
inlet) , 47-63Hz, Class I

2+1 Redundant 2200W 80PLUS Platinum Power Supply
Rating: 100-127/200-240 Vac, 12.9/9.5 A (for each inlet), 47-63 Hz, Class I
*2200W Power supply is only available for selected countries.

Environment Operation temperature: 10°C ~ 35°C / Non operation
temperature: -40°C ~ 70°C
Non operation humidity: 20% ~ 90% (Non condensing)

- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.

- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
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