

ECA-5540

5G Edge Server With 5th Gen Intel® Xeon® Scalable Processors



■ Features

- 5th Gen Intel® Xeon® Scalable Processors
- Intel vRAN Boost Support (For 4th Gen Intel® Xeon® Scalable Processors Only)
- Short Depth Chassis and Front I/O Design
- 16x DDR5 4400MHz RDIMM, Max. 1024GB
- 1x OCP 3.0 NIC Slot, 2x M.2 NVMe 2280, 2x 2.5" SATA/ U.2
- 0 ~ 50°C Operating Temperature
- 1x FHFL PCIe16 slot, 2xLP or 1xFHHL slot (PCIe8)
- Secure BMC / TPM 2.0

■ Specifications

Platform	
Form Factor	1U 19" Rackmount
Processor Options	5th Gen Intel® Xeon® Scalable Processors (Codenamed Emerald Rapids)
CPU Socket	1x LGA 4677 socket type
Chipset	Emmisburg PCH
Security Acceleration	Intel QAT (By CPU SKU)
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR5 4400 MHz RDIMM
Max. Capacity	1024 GB
Socket	16x 288pin DIMM
Networking	
Ethernet Ports	1x 1GbE RJ45 for MGMT
LOM	
IO Interface	1x LOM Port via BMC chip
OPMA Slot	Support AST2600 IPMI
I/O Interface	
Reset Button	1 x Reset button (Default SW reset)
LED	Power/Status
Power Button	1
Console	1 x RJ45
USB	2 x USB 3.0
Display	Yes, miniDP via IAC-AST2600 IPMI card.
Storage	
HDD/SSD Support	2 x 2.5" HDD/SSD or 2x2.5" GEN4 NVMe (Optional)
Onboard Slots	2 x M.2 NVMe (PCIe) 2280 M key

Expansion	
PCIe	1x FHFL (PCIe16, double width, 350W) 2xLP (PCIe8) or 1xFHHL (PCIe8)
OCP3.0	1x Slot
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	TPM 2.0 (Optional)
Cooling	
Processor	Passive CPU Heatsink
System	6 x smart fans, swappable
Temperature	SKU A: 0-50°C Operating (By CPU SKU) SKU B: -0~50°C Operating (By CPU SKU) -40~70°C Non-Operating
Humidity (RH)	5~95% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	438x580x44 mm
Weight	TBD
Package Dimensions	
(WxDxH)	TBD
Weight	TBD
Power	
Type / Watts	1600W AC PSU
Input	110 -240V

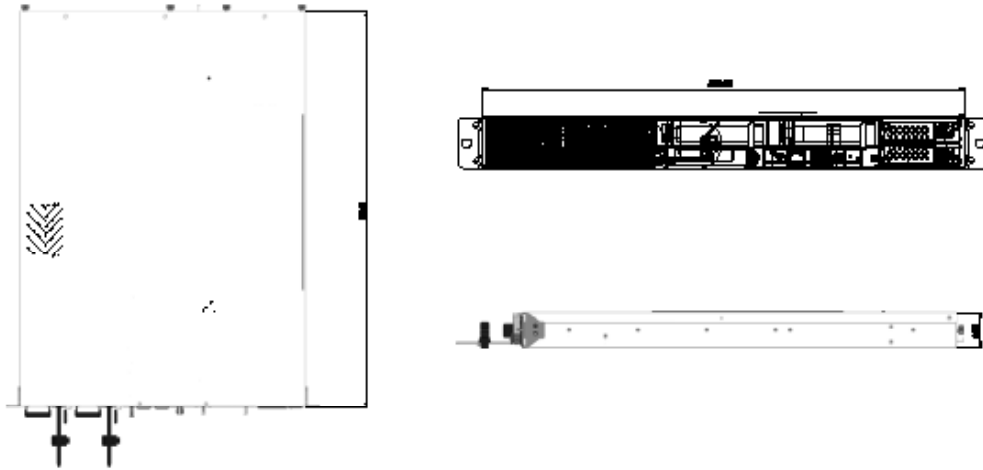
Product I/O View

Images are for reference only. See ordering information for SKU details.



- A** Dual Power Input
- B** 2x PCIe Slots
- C** OCP NIC Slot
- D** Power button
- E** Management Port
- F** Console
- G** 2x USB 3.0
- H** VGA
- I** 2x SATA Drive Bays
- J** 6x Smart Fans

Dimensions (WxDxH) 438 x 580 x 44 mm



Ordering Information

ECA-5540A	5th Gen Intel® Xeon® Scalable Processors, 1x GbE RJ45, 1x FHFL PCIe, 2xLP PCIe
ECA-5540B	5th Gen Intel® Xeon® Scalable Processors, 1x GbE RJ45, 1x FHFL PCIe, 1xFHHL PCIe

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