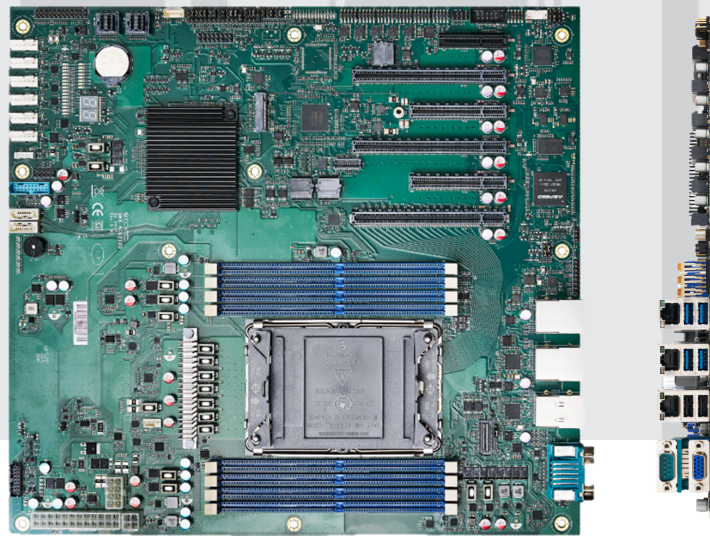


GMB-EAC62100

Intel® 3rd Gen. Xeon® Scalable Processor
EATX Industrial Motherboard

 CONTEC



Features

- 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and GPU solution
- 8x SATA 6Gb/s ports (by 2 x Mini-SAS HD)+2x SATA 6Gb/s ports (by 2 x SATA 7-pin)
- Supports 3 x PCIe Gen4 x16 slots + 2 x PCIe Gen4 x8 slots + 1 x PCIe Gen3 x4 slot
- Onboard dual Giga Lan ports & 6x USB 3.0 +3 x USB 2.0
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for long life

CPU Selection Guide

3rd Generation Intel® Xeon® Scalable Processors base on intel IOTG* (105W to 205W TDP)

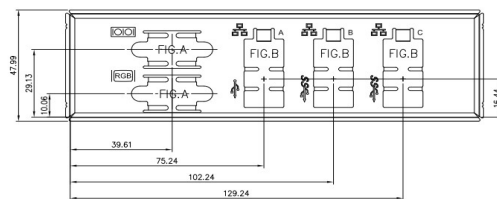
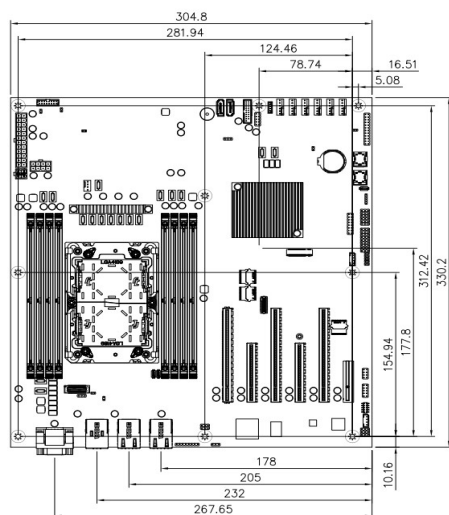
CPU No.	TDP	Core	Cache	Max Speed	Memory type	CPU No.	TDP	Core	Cache	Max Speed	Memory type
Gold 6330	205W	28	42MB	3.10 GHz	DDR4-2933	Silver 4310	120W	12	18MB	3.30 GHz	DDR4-2666
Silver 4314	135W	16	24MB	3.40 GHz	DDR4-2666	Gold 6338T	165W	24	36MB	3.40 GHz	DDR4-3200
Silver 4316	150W	20	30MB	3.40 GHz	DDR4-2666	Gold 6336V	185W	24	36MB	3.60 GHz	DDR4-3200
Gold 5318Y	165W	24	36MB	3.40 GHz	DDR4-2933	Silver 4310T	105W	10	15MB	3.40 GHz	DDR4-2666
Gold 5317	150W	12	18MB	3.60 GHz	DDR4-2933	Gold 5320T	150W	20	30MB	3.50 GHz	DDR4-2933
Gold 6326	185W	16	24MB	3.50 GHz	DDR4-3200	Gold 5315V	140W	8	12MB	3.60 GHz	DDR4-2933

* Base on Embedded Options Available

Packing List

- 1x Motherboard
- 1x I/O Shield Panel
- 1x Installation CD

Ver. 1.4



System Specifications

Main Processor	3rd Gen Intel® Xeon® Scalable Processor Family
	Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor
	1 x LGA 4189 (Socket P+) ,CPU TDP up to 205W
Chipset	Intel® C621A with Ice Lake-SP
BIOS	AMI UEFI BIOS
Memory	8 x memory channels & 8 -DIMM slots
	Supported memory: Registered DDR4 (RDIMM), up to 256GB
	Memory Speed : 3200/2933/2666 MHz (By CPU SKU)
Storage I/F	1 x M.2 Slot key M support NVMe
	8x SATA 6Gb/s ports (by 2 x Mini-SAS HD)
	2x SATA 6Gb/s ports (by 2 x SATA 7-pin)
Ethernet	2 x GbE LAN by intel I210AT (Rear I/O)
Graphic	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor
	PCIe VGA/2D Controller
	1920x1200@60Hz 32bpp
Interface	1 x External VGA port (Rear I/O)
	1 x External Serial port (Rear I/O)
	1 x 10/100 M RJ45 to BMC management Rear I/O)
	4 x USB 3.0 connector (Rear I/O)+ 2 x USB 3.0 (Internal Pin header)
	2 x USB 2.0 connector (Rear I/O)+ 1 x USB 2.0 (Internal Pin header)
	1 x RS232 serial Port (Rear I/O)+ 1 x RS232 serial Port (Internal pin header)
	1 x CPU fan header + 6 x System fan headers
Expansion Interface	3 x PCI Express 4.0 (x16) slots
	2 x PCI Express 4.0 (x8) slots
	1 x PCI Express 3.0 (x4) slot
Security	Infineon SLB 9670 fully TCG TPM 2.0 standard
Mechanical	Dimension : 305x330mm (12"x13")
OS supported	Windows 10 IoT Enterprise 2019 LTSC 64bit
	Windows Server IoT 2019 Standard
Power	Type: ATX power supply
	24-pin ATX Main power Connector+ 8-pin & 4-pin ATX 12V power connector
Board Management	Aspeed AST2500 Management controller
	Dedicated IPMI LAN (Rear I/O)
Operation Temperature	5 to 40°C
Storage Temperature	-20 to 60°C
Humidity	20 - 80%RH (Non-condensing)
Certifications	VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A)

Ordering Guide

● GMB-EAC62100	EATX IMB 3rd Gen Intel® Xeon® Scalable Processors , Intel C621A Chipset
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