



SPEC SHEET

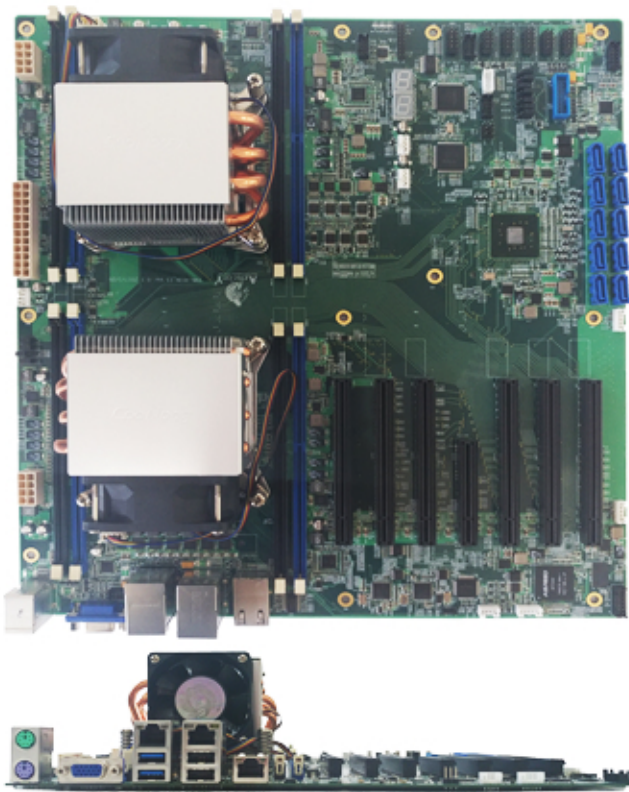
SYNCUSTECH

SERVER BOARD_SRV-C612

Intel® Xeon® E5-2600 v3/v4 Processor Extended ATX Server Motherboard

SRV-C612

SRV-C612 is an extended ATX server board based on Intel's Xeon processor, E5 v3/v4 family, and offers versatility across diverse data center workloads. The product is designed for customized ODM server including cloud-native, as well as traditional applications (such as business processing, decision support, high performance computing, storage, networking, application development, web infrastructure and collaboration). SRV-C612, paired with the Intel® C612 chipset, provide a scalable platform for dual-socket designs that are ideal for a wide range of communications, storage, and embedded devices that connect seamlessly to networks, clouds, storage systems, and each other.



Features

- Dual sockets for Intel® Xeon® processor E5-2600 v3/v4 product family
- Intel® C612
- ECC DDR4 Memory Technology up to 256GB
- 10 x SATA III
- 4 x PCIe*16 , 2 x PCIe*8, 1 x PCIe*4
- 1 x RS232, 2 x USB2.0, 2 x USB3.0, 1 x VGA, 1 x PS2, 3 x RJ45
- BMC/IPMI System Management

Module	Function	Descriptions
Processor System	Socket	Intel® LGA 2011-R3
	CPU	Intel® Xeon E5-2600 v3/v4 Processor Intel® Xeon E5-1600 v3/v4 Processor (1S)
	Chipset	Intel® C612 Chipset
	BIOS	Insyde UEFI

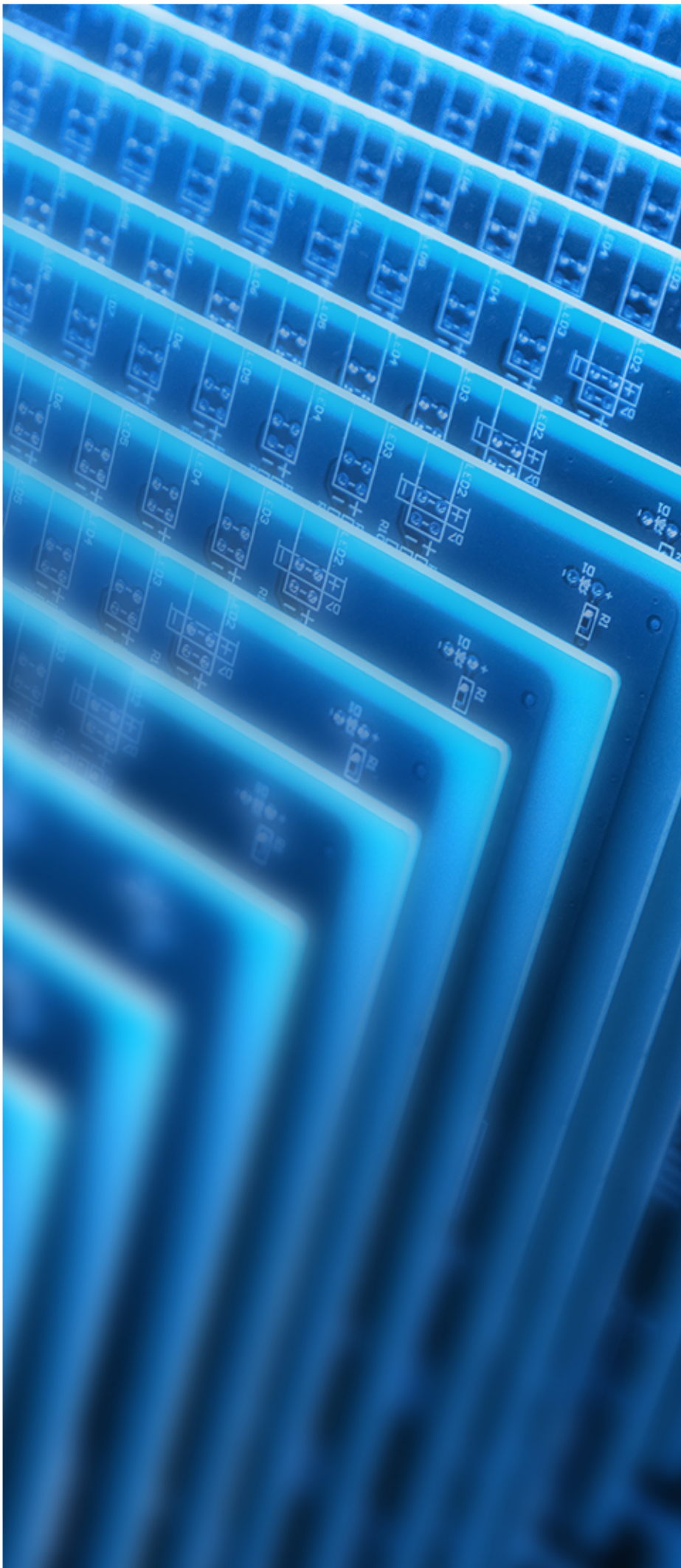


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Module	Function	Descriptions
Memory	Total Slots	8
	Max. Capacity	Up to 256GB ECC RDIMM
	Memory type	DDR4 ECC-REG 2133/1866/1600/1333 MHz DIMM
	Memory size	1/2/4/8/16/32 GB
Graphics	Controller	ASPEED AST2400, VGA
Storage	SATA Controller	Intel C612 - 10 SATA 6Gb/s ports Intel Matrix Storage (Windows only) (SATA0-SATA5 and sSATA0-sSATA3 Supports software RAID 0, 1, 10 & 5)
Network	GbE LAN	1 x Intel i217LM
	GbE LAN	1 x Intel i210AT
	NCSI LAN	1 x Broadcom BCM5221A4KPT
Expansion Slots	Internal Slot	4 x PCIe x 16 2 x PCIe x 8 1 x PCIe x 4
On Board I/O	PSU	24-pin SSI + 28-pin SSI 12V Power Connector
	Storage	10 x SATA III ports, 600MB/s HDD transfer rate
	USB	2 x 2 USB 2.0 Header 1 x 19-pin USB 3.0 Header
	SMBus Header	7
	Audio Header	1 x 12pin Header
	Serial port header	2 x 10pin Header
	GPIO	1 x 10pin Header
	SGPIO	2
	CPU Fan	2 x 4pin
	System Fan	3 x 4pin
	TPM	1 x 20pin Header
	LED Display	2 Port with 7 Seg
Rear I/O	Serial Port	1, RS232 9-pin
	USB	4, (2 x USB 2.0 + 2 x USB 3.0)
	VGA Port	1
	PS2	1
	Ethernet	3 x RJ45
Power Requirements	Input Power	3.3V 5V +12V +5VSB -12V
	Power Consumption	1.8A 1.5A 18A 1A 0.1A
Environment	Operating Temperature	0°C ~ 50°C
	Operating Humidity	10%~95%, non-condensing
Physical	Dimensions	304.8mm x 330.2mm(12" x 13"), EATX F/F





This motherboard has been developed as a reference product and can be customized to your needs.

To ask for a customized solution, please contact our team at:

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