



SPEC SHEET

# SYNCUSTECH

## XEON SERVER\_SRV-C612

# Intel® Xeon® E5-2600 v3/v4 Processor 2U Rackmount Type, 8Bay hot-Swap

## SRV-C612-2U

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).



## Features

- Intel® Xeon® processor E5-2600 v3/v4 SRV-C612 Server Board
- 7-slot model: 4 x PCIe(\*16), 2 x PCIe(\*8), 1 x PCIe(\*4)
- 8X hot-swap SATA/SAS 6G drive bay
- Front LED indicator shows the power and operating status
- ATX Power (mini-Redundant Power optional)
- 2U Rackmount Type Design

Classification	Function	Descriptions
Chassis	Color	Black
	Dimensions	482(W) x 660(L) x 89(H)mm
	System Fan	3 x 80mm center wind wal
	Chassis Constriction	Aluminum Alloy, Plastic, Steel
Motherboard	CPU	Dual sockets for Intel® Xeon® processor E5-2600 v3/v4 product
	Chipset	Intel® C612 Chipset
	System Memory	ECC DDR4 RDIMM Memory Technology up to 256GB
Storage	Hard Drive	10 x SATA III support
	RAID	RAID controller supporting RAID 0, 1, 10&5
I/O Interfaces	Ethernet	3 x RJ45
	USB 3.0	2port
	USB 2.0	2port
	VGA	1port
	PS2	PS2 Keyboard 1port, PS2 Mouse 1port
Expansions	PCIe	4slot(x16), 2slot(x8), 1 slot(x4)
Environment	Operating Temperature	0°C~50°C
	Operating Humidity	10%~95%, non-condensing
OS	Supported OS	Window7, Window8, Windows 2008 R2 support





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

## SRV-C612



### Features

- Dual sockets for Intel® Xeon® processor E5-2600 v3/v4 product family
- Intel® C612
- ECC DDR4 RDIMM up to 256GB
- 10 x SATA III
- 4 x PCIe\*16 , 2 x PCIe\*8, 1 x PCIe\*4
- BMC/IPMI System Management



Module	Function	Descriptions
Processor System	Socket	Intel® LGA 2011-R3
	CPU	Intel® Xeon E5-2600 v3/v4 Processor
	Chipset	Intel® C612 Chipset
	BIOS	Insyde UEFI
Memory	Total Slots	8
	Max. Capacity	Up to 128GB DDR4 ECC DIMM (256GB ECC RDIMM)
	Memory type	DDR4 ECC-REG 2133/1866/1600/1333 MHz DIMM
	Memory size	1/2/4/8/16 GB (32GB RDIMM)
Graphics	Controller	ASPEED AST2400, VGA
Storage	SATA Controller	Intel C612 - 10 SATA 6Gb/s ports Intel Matrix Storage
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 *16, 2 x PCIe*8, 1 x PCIe*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 RS232 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	USB
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:

KOREA H.Q.

☎ (031) 443 8493

✉ [syncustech@syncus.co.kr](mailto:syncustech@syncus.co.kr)

U.S.A Office

☎ (877) 882 1033

✉ [contact@syncustech.com](mailto:contact@syncustech.com)

