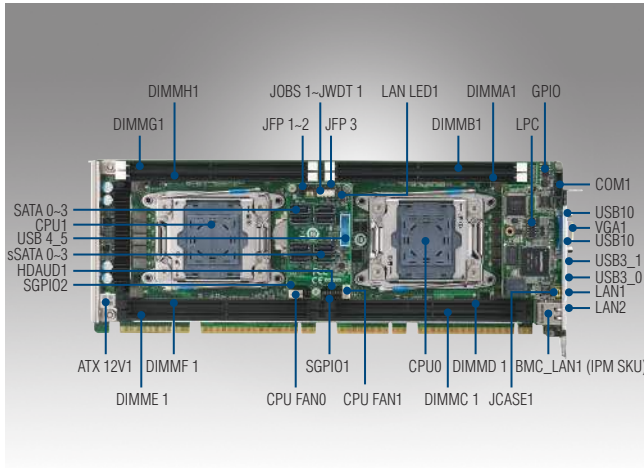


# PCE-9228

**Dual LGA 2011-R3 Intel Xeon®  
E5-2600v3 SHB Server Board with C612,  
DDR4/SATA3.0/USB3.0/Dual GbE**



CE FCC

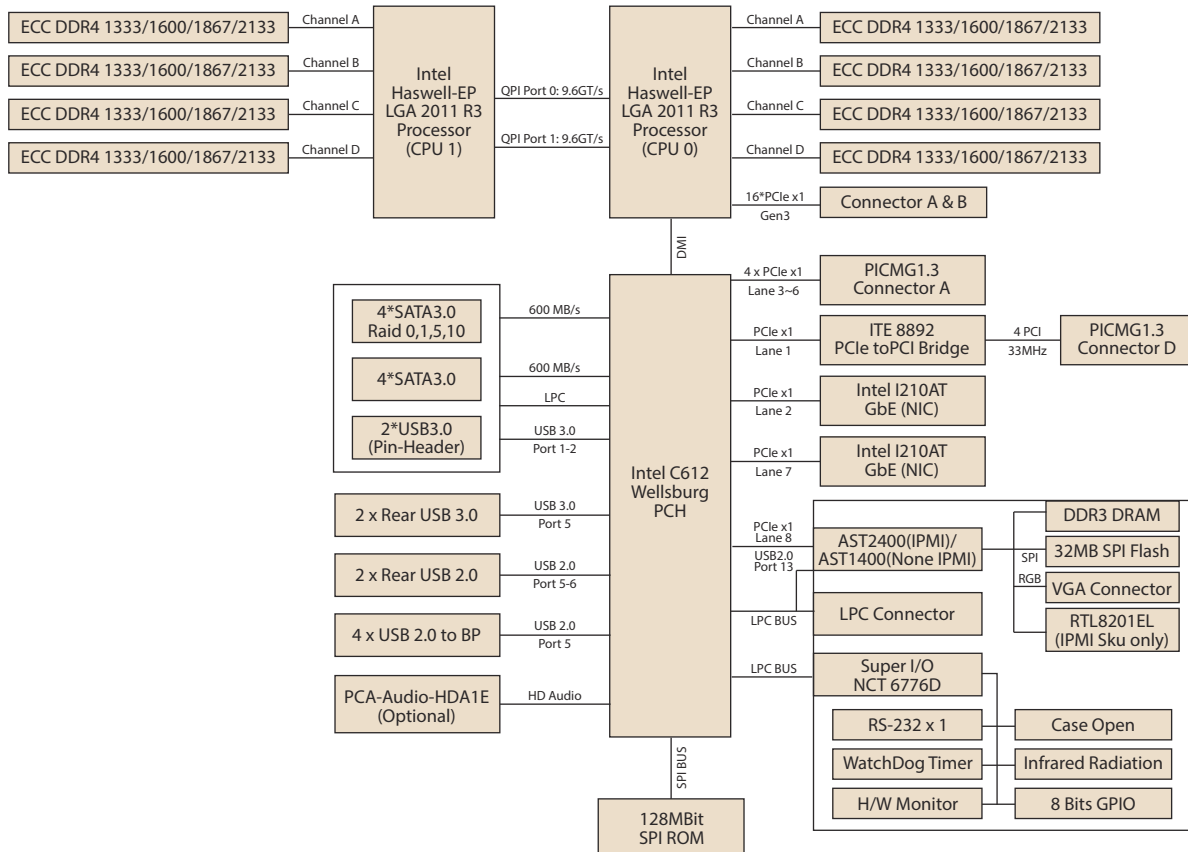
## Features

- Supports Dual Intel Xeon E5-2600v3 series processors with C612
- Supports DDR4 2133MHz RDIMM up to 256GB
- Supports PCIe3.0,USB3.0,SW raid 0, 1, 5, 10
- Supports out-of-band remote management with IPMI
- 0 ~ 40 °C ambient operation temperature range

## Specifications

Processor System	Socket	Intel LGA 2011-R3			
	CPU type	Intel Xeon E5-2600(v3) dual processor (TDP up to 120W per CPU)			
Core Logic	Chipset	Intel C612 chipset			
Memory	Total slots	8 (Quad Channel)			
	Capacity	Maximum 256 GB ECC RDIMM			
	Memory type	DDR4 ECC-REG 2133/1866/1600/1333 MHz DIMM			
	Memory size	1 GB, 2 GB, 4 GB, 8 GB, 16 GB, 32 GB			
Bus	PCI-Express	PICMG1.3: One PCIe x16 or Two PCIe x8, PCIe x4 from PCH			
	PCI	Four PCI 32bit/33MHz			
Graphics	VGA	Aspeed AST2400/1400 64 MB			
Storage	SATA controller	8 SATA 3.0 ports support software raid 0, 1, 5, 10			
Networking	GbE LAN	2 x Intel I210AT			
	USB connector	2 USB 3.0 ports in one pin header			
Onboard I/O Connectors	CPU Fan header	2 x 4-pin			
	GPIO	1			
	LAN LED	1			
	Audio Header	1			
	Serial port header	1 (Pin header 2.0 pitch)			
Rear I/O Connectors	External USB port	4 (2*USB2.0 + 2*USB3.0)			
	VGA port	1			
	RJ-45	3 (1 port dedicated for IPMI function)			
Management Solution	Software	SUSIAccess			
	Out of band remote management	IPMI (PCE-9228G2I sku only)			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Power Requirement	Power On	3.3V	5V	12V	5Vsb -12V
	E5-2680v3 x2				
	DDR4 RDIMM 16GB x8	2.61A	1.07A	26.73A	0.07A 0.01A
Environment		Operating		Non-operating	
	Temperature	0 ~ 40 °C, depends on CPU speed and cooler solution		-40 ~ 85 °C	
	Humidity	10% ~ 95%		10% ~ 95% (Non condensing)	
Physical Characteristics	Dimensions (L x H)	338 x 122 mm (13.3" x 4.8")			

## Block Diagram



## Ordering Information

Part Number	Chipset	Memory	GbE LAN	IPMI	VGA Chip
PCE-9228G2-00A1E	C612	DDR4 RDIMM	2	-	AST 1400
PCE-9228G2I-00A1E	C612	DDR4 RDIMM	2	Yes	AST 2400

Note: "I" sku features a dedicated LAN for IPMI function only.

## Packing List

Part Number	Description	Quantity
2066922800	Driver CD	x 1
2006922810	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 1

## Optional Accessories

Part Number	Description
PCA-AUDIO-HDA1E	HD Audio-card
PCA-TPM-00A1E	TPM Module
1960063011N011	Cooler IGA-2011 narrow cooler 107 x 70 x 64 for 4U chassis (120W; Puller fan)
1700020277-01	2 ports USB3.0 cable w/ BKT(30cm)
1700100250	COM port cable w/o bracket
PCA-COM232-00A1E	4 ports RS-232 module
PCA-COM485-00A1E	4 ports RS-422/485 module

## I/O View



PCE-9228G2I-00A1E



PCE-9228G2-00A1E