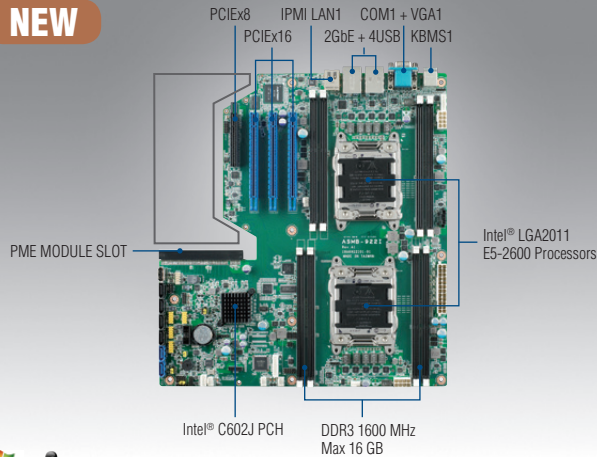


# ASMB-9221

**Dual LGA 2011 Intel® Xeon® E5-2600  
EATX Server Board with DDR3, 3 PCIe  
x16 + 1 PCIe x8 (Gen 3.0), PME support**

**NEW**



## Features

- EATX Server Board with dual Xeon® E5 processor, PME flexible expansion and 128GB memory capacity
- Dual LGA 2011 Intel® Xeon® E5-2600 processors
- DDR3 1600MHz RDIMM up to 128GB
- Three PCIe x16 slot(Gen3.0) + one PCIe x8 slot(Gen3.0) slots and PME expansion slot
- 0~40° C ambient operation temperature range

Note: ASMB-9221 could enable PME slot when processor is installed in CPU0 socket.

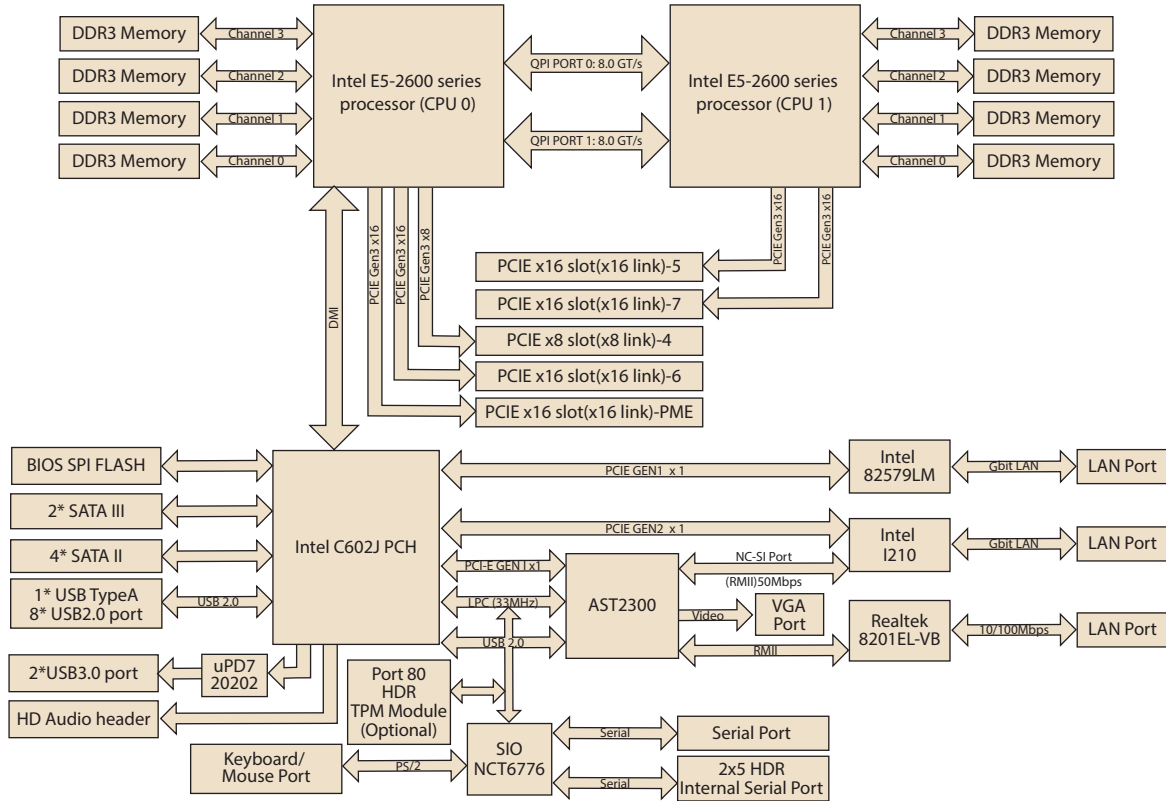
**Software APIs:**  SMBus  H/W Monitor  Watchdog

**Utilities:**  Monitoring

## Specifications

Form Factor	Extended ATX form factor					
Processor System	Socket	Intel LGA 2011				
	CPU type	Intel Xeon E5-2600 dual processor (CPU cooler should be purchased separately and TDP up to 95W)				
Core Logic	Chipset	Intel C602J chipset				
	Total slots	8 (Quad Channel)				
Memory	Capacity	Maximum 128 GB ECC RDIMM				
	Memory type	DDR3 ECC-REG/ECC/Non-ECC 1600/1333/1066 MHz DIMM				
	Memory size	1 GB, 2 GB, 4 GB, 8 GB, 16 GB				
Expansion Slots	Total PCI/PCI-X/PCIe slots	7				
	Slot location 1	Fit to PME daughter board				
	Slot location 2	Fit to PME daughter board				
	Slot location 3	Fit to PME daughter board				
	Slot location 4	1 x PCIe x8 slot (x8 link), signal from CPU0				
	Slot location 5	1 x PCIe x16 slot (x16 link), signal from CPU1				
	Slot location 6	1 x PCIe x16 slot (x16 link), signal from CPU0				
Graphics	VGA	Aspeed AST2300 64 MB				
	IDE controller	-				
Storage	SATA controller	Intel C602J: 4 SATA2 3 Gb/s ports, 2 SATA3 6Gb/s Intel Matrix Storage (for Windows only) (Supports software RAID 0, 1, 10 & 5)				
	SAS controller	-				
	GbE LAN	1 x Intel 82579LM + 1 x Intel 82574L				
Onboard I/O Connectors	Floppy connector	-				
	PSU connector	24-pin SSI power connector + 8-pin SSI 12 V power connector + 8-pin SSI 12 V power connector				
	USB connector	4 (supports 6 USB port), 1* Type-A				
	Fan header	5 x 4pin				
	SMBus	1				
	Chassis intruder	1				
	Front LAN LED	2				
	Audio Header	1				
	Serial port header	1				
Rear I/O Connectors	External serial port	1				
	External USB port	4 (2*USB2.0 + 2*USB3.0)				
	VGA port	1				
	RJ-45	3 (1 port dedicated for IPMI function)				
	PS/2 KB/mouse	1				
	Infiniband	-				
Management Solution	Software	-				
	Out of band remote management	Yes				
Monitoring	CPU temperature	Yes				
	System Monitoring	Yes				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec/min				
Power Requirement	Power On	3.3V	5V	12V	5Vsb	-12V
		19.69A	7.77A	58.66A	2A	0.5A
Environment	Temperature	Operating			Non-operating	
		0 ~ 40° C, depends on CPU speed and cooler solution			-40 ~ 85° C	
		Humidity			5% ~ 95% (Non condensing)	
Physical Characteristics	Dimensions	304.8 x 330.2 mm (12" x 13")				

### Block Diagram



### Ordering Information

Part Number	Chipset	Memory	GbE LAN	IPMI	VGA Chip
ASMB-922-00A1E	C602J	DDR3 Non-ECC/ECC/REG	2	-	AST 1300
ASMB-9221-00A1E	C602J	DDR3 Non-ECC/ECC/REG	2	Yes	AST 2300

### Packing List

Part Number	Description	Quantity
2066922100	Driver CD	x 1
2006922110	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 2
1960052312T000	I/O shield	x 1

### Bracket View



ASMB-9221-00A1E



ASMB-922-00A1E

### Optional Accessories

Part Number	Description
ASMB-FF3PX-12A1E	PME card with 2 PCI-X and 1 PCI slots
ASMB-FF20F-02A1E	PME card with 2 PCIe x16 slots
ASMB-FF208-02A1E	PME card with 2 PCIe x 8 slots
PCA-AUDIO-HDA1E	HD Audio-card
PCA-TPM-00A1E	TPM Module
1960058073N001	LGA2011 CPU cooler for 2U/4U chassis
1700002204	Dual port USB cable (27 cm) with bracket
1700008461	Four port USB cable (30.5 cm) with bracket
1701090401	COM port cable with bracket