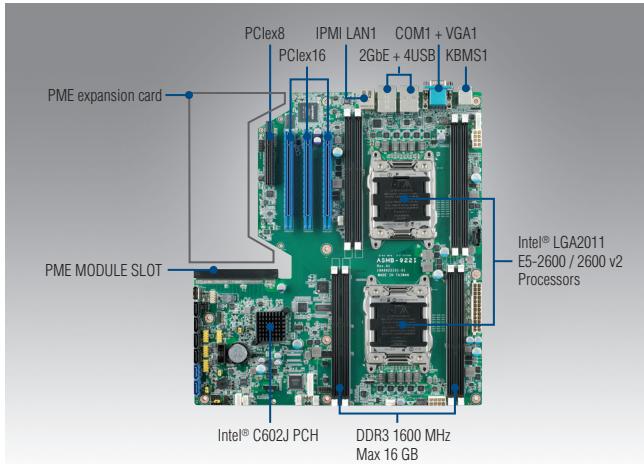


# ASMB-922

## Dual Intel® Xeon® E5-2600 / 2600 v2 EATX Server Board with DDR3, 3 PCIe x16 + 1 PCIe x8, PME support



### Features

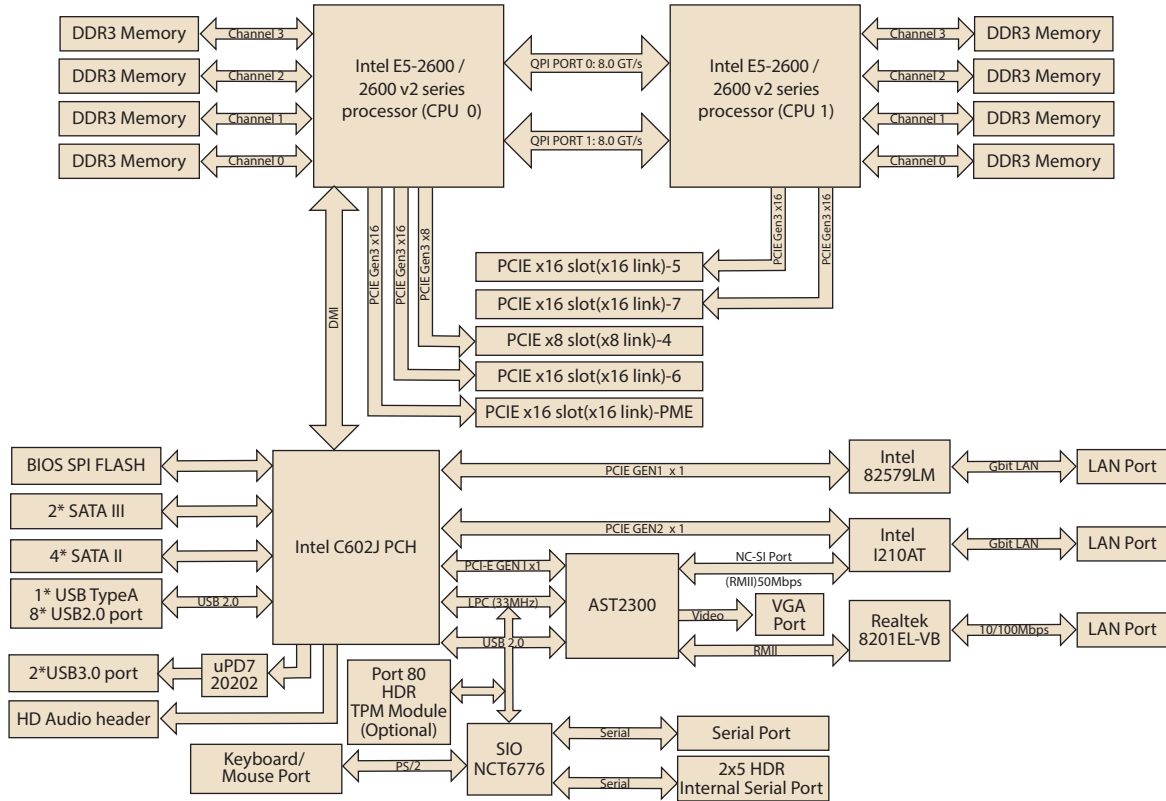
- EATX Server Board with dual Xeon® 2600 / 2600 v2 processor, PME flexible expansion and 128GB memory capacity
- DDR3 1600MHz RDIMM up to 128GB
- Three PCIe x16 slot(Gen3.0) + one PCIe x8 slot(Gen3.0) slots and PME expansion slot
- 0~40° C ambient operation temperature range

Note: ASMB-922 series could enable PME slot when processor is installed in CPU0 socket.

### Specifications

Form Factor	Extended ATX form factor	
Processor System	Socket	Intel LGA 2011
	CPU type	Intel® Xeon® E5-2600 / 2600 v2 dual processor (TDP up to 130W)
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 (Gen3 x8 link), signal from CPU0
	Slot location 5	1 x PCIe x16 slot (Gen3 x16 link), signal from CPU1
	Slot location 6	1 x PCIe x16 slot (Gen3 x16 link), signal from CPU0
Graphics	VGA	Aspeed AST2300 64 MB
	Storage	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)
Networking	SAS controller	-
	GbE LAN	1 x Intel 82579LM + 1 x Intel I210AT
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
Rear I/O Connectors	Serial port header	1
	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)
Management Solution	PS/2 KB/mouse	1
	Software	-
Monitoring	Out of band remote management	Yes
	CPU temperature	Yes
Watchdog Timer	System Monitoring	Yes
	Output	System reset
Power Requirement	Interval	Programmable 1 ~ 255 sec/min
	Power On	3.3V 19.69A 5V 7.77A 12V 58.66A 5Vsb 2A -12V 0.5A
	Operating	Non-operating
Environment	Temperature	0 ~ 40° C, depends on CPU speed and cooler solution -40 ~ 85° C
	Humidity	0% ~ 90% 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-922-00A2E	C602J	DDR3 Non-ECC/ECC/REG	2	-	AST 1300
ASMB-922I-00A2E	C602J	DDR3 Non-ECC/ECC/REG	2	Yes	AST 2300

### Packing List

Part Number	Description	Quantity
2066922I00	Driver CD	x 1
2066922I10	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 2
1960052312T000	I/O shield	x 1
1700019748	CPU power cables	x 2

### Optional Accessories

Part Number	Description
ASMB-FF3P8-12A1E	PME card with 1 PCIe x8 slot (x8 link) and 1 PCIe x8 slot (x4 link) and 1 PCI slot
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
ASMB-FF404-04A1E	PME card with 4 PCIe x4 slots (Only fit to HPC-7400 chassis)
PCA-AUDIO-HDA1E	HD Audio-card
PCA-TPM-00A1E	TPM Module
1960063011N001	LGA2011 CPU cooler for 2U/4U chassis (TDP up to 130W)
1960065591N001	LGA2011 CPU0 heatsink for 1U chassis (TDP up to 130W)
1960065593N001	LGA2011 CPU1 heatsink for 1U chassis (TDP up to 130W)
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

### I/O View



ASMB-922-00A2E



ASMB-922I-00A2E