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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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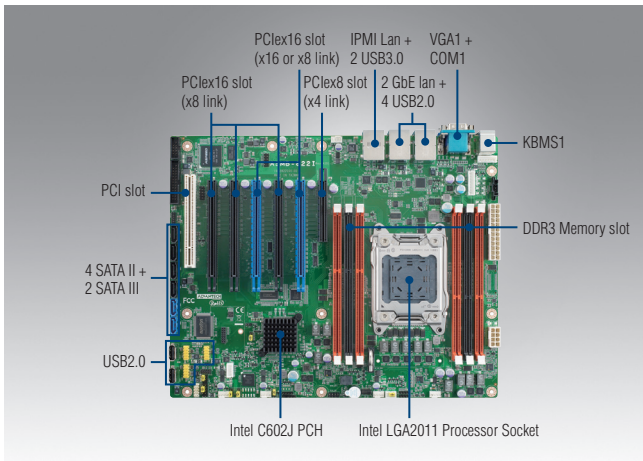
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# ASMB-822

## LGA2011 Intel® Xeon® E5 ATX Server Board with 6 x DDR3, 5 x PCIe x16 slot (Gen 3.0), USB 3.0, IPMI



### Features

- ATX Server Board with Intel® Xeon® E5-1600/1600 v2/2600/2600 v2 series processor
- DDR3 1600\* MHz RDIMM up to 96 GB
- 5 x Gen 3.0 PCIe x16 slots
- 0 ~ 60° C ambient operation temperature range

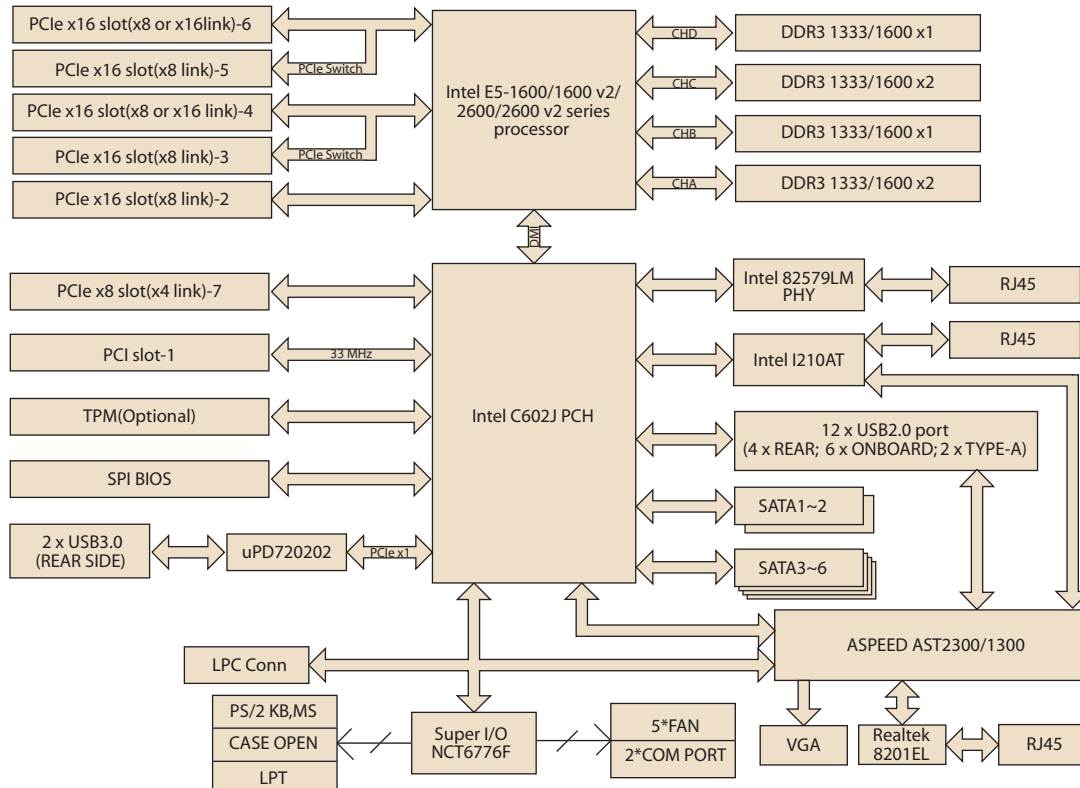


### Specifications

Form Factor		ATX form factor					
Processor System	Socket	Intel LGA 2011					
	CPU type	Intel® Xeon® E5-1600 / 1600 v2 series (TDP up to 130W) Intel® Xeon® E5-2600 / 2600 v2 series (TDP up to 130W)					
Core Logic	Chipset	Intel C602J chipset					
Memory	Total slots	6					
	Capacity	Maximum 96 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	PCI					
	Slot location 2	PCIe x16 slot (Gen3 x8 link)					
	Slot location 3	PCIe x16 slot (Gen3 x8 link)					
	Slot location 4	PCIe x16 slot (Gen3 x8 or x16 link)					
	Slot location 5	PCIe x16 slot (Gen3 x8 link)					
	Slot location 6	PCIe x16 slot (Gen3 x8 or x16 link)					
Graphics	VGA	Aspeed AST2300/1300 64 MB					
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	-					
Networking	GbE LAN	1 x Intel 82579LM + 1 x Intel I210					
Onboard I/O Connectors	LPT connector	1					
	PSU connector	24-pin SSI power connector + 8-pin SSI 12 V power connector					
	USB connector	3 (supports 6 x USB2.0 port), 2 x 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	6 (2 x USB 3.0)					
	VGA port	1					
	RJ-45	3 (1 port dedicated for IPMI function)					
	PS/2 KB/mouse	1					
Management Solution	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	3.3 V	5 V	12 V	12V_8P	5 Vsb	-12 V
		2.15A	0.54A	2.01A	6.76A	0.1A	0.01A
Environment	Operating	Non-operating					
	Temperature	0 ~ 60° C, depends on CPU speed and cooler solution					
	Humidity	-40 ~ 85° C					
Physical Characteristics	Dimensions	304.8 x 244 mm (12" x 9.6")					
		5% ~ 95% (Non condensing)					

\*ASMB-822/822I can only support DDR3 1600 REG DIMM which is Single/Dual rank.

## Block Diagram



## Ordering Information

Part Number	Chipset	Memory	LAN	IPMI	Graphic
ASMB-822-00A2E	C602J	DDR3 Non-ECC/ECC/REG	2	-	AST1300
ASMB-822I-00A2E	C602J	DDR3 Non-ECC/ECC/REG	2	Yes	AST2300

## Packing List

Part Number	Description	Quantity
2062822I00	Driver CD	x 1
2002822I10	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 2
1700024441-01	LAN LED cable	x 1
1960048321T010	IO bracket	x 1
ASMB-BMC-00A1E	BMC module (only included in ASMB-822I SKU)	x 1

## Optional Accessories

Part Number	Description
1960065593N001	ASMB-822I 1U CPU narrow type heatsink (TDP up to 130W)
1960063011N001	ASMB-822I 2U/4U CPU narrow type cooler (TDP up to 130W)
19Z0000811N000	1U IO bracket for ASMB-822
PCA-AUDIO-HDA1E	HD Audio-card
PCA-TPM-00A1E	TPM Module by LPC
1700002204	Dual port USB cable (27 cm) with bracket
1700008461	Four port USB cable (30.5 cm) with bracket
1701260305	COM + Printer Port Cable Kit
ASMB-RF3X8-21A1E	2U Riser Card (2 x PCI-X + 1 x PCIe x8)
ASMB-RF388-21A1E	2U Riser Card (1 x PCIe x8 + 2 x PCIe x4)

## I/O View



ASMB-822-00A2E



ASMB-822I-00A2E