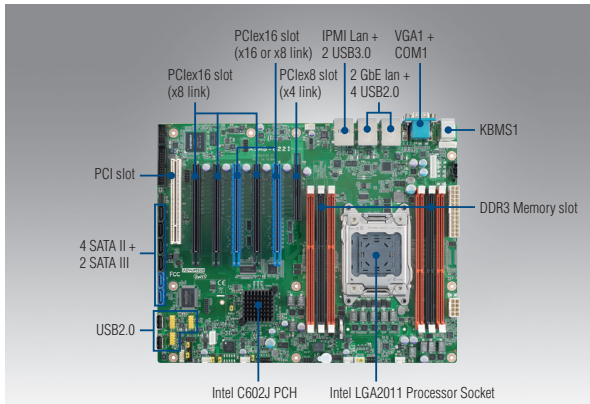


ASMB-822

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



Features

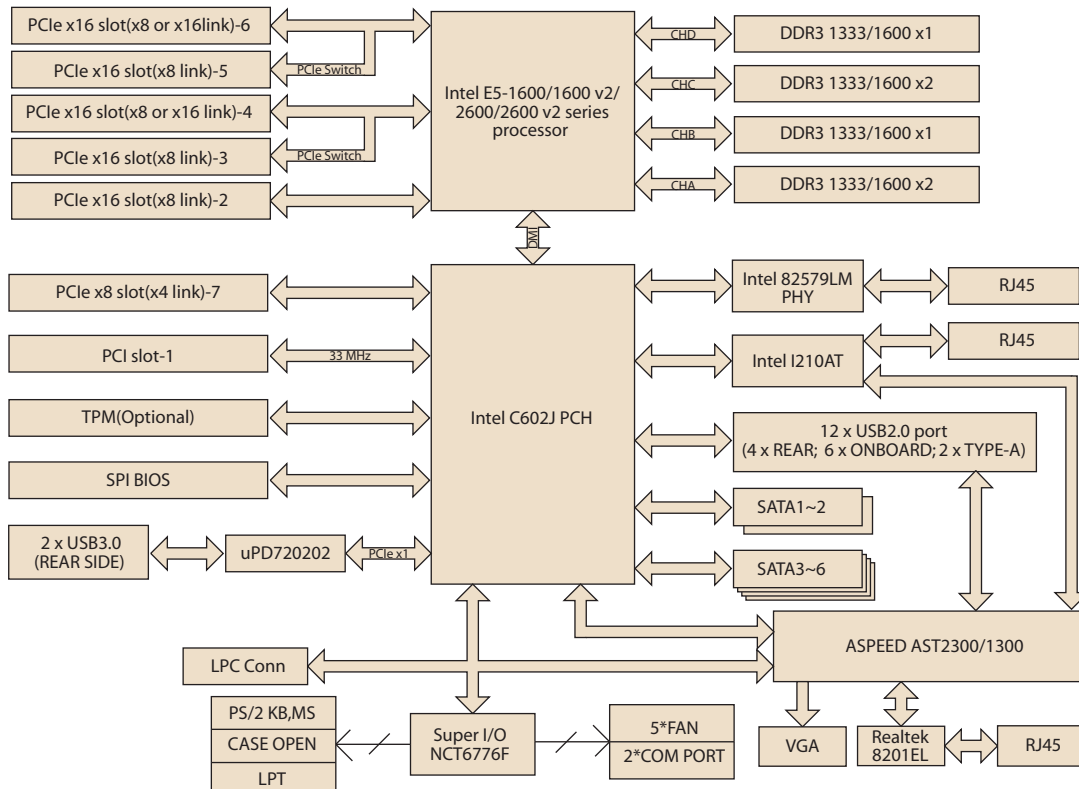
- ATX Server Board with Intel® Xeon® E5-1600/1600 v2/2600/2600 v2 series processor
- DDR3 1600* MHz RDIMM up to 96 GB
- 5 x Gen 3.0 PCIe x16 slots
- 0 ~ 60° C ambient operation temperature range

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	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 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	
Rear I/O Connectors	Audio Header	1	
	Serial port header	1	
	External serial port	1	
	External USB port	6 (2 x USB 3.0)	
	VGA port	1	
Management Solution	RJ-45	3 (1 port dedicated for IPMI function)	
	PS/2 KB/mouse	1	
	Software	-	
Monitoring	Out of band remote management	Yes	
	CPU temperature	Yes	
Watchdog Timer	System Monitoring	Yes	
	Output Interval	System reset Programmable 1 ~ 255 sec/min	
Power Requirement	Power On	3.3 V 5 V 12 V 5 Vsb -12 V 13.69 A 7.77 A 33.48 A 2 A 0.5 A	
	Environment	Operating	Non-operating
Temperature		0 ~ 60° C, depends on CPU speed and cooler solution	-40 ~ 85° C
Physical Characteristics	Humidity	0% ~ 90%	5% ~ 95% (Non condensing)
	Dimensions	304.8 x 244 mm (12" x 9.6")	

*ASMB-822/822L 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
2062822100	Driver CD	x 1
2002822110	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 2
1700024441-01	LAN LED cable	x 1
1960048321T010	I/O shield	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 heatsink (TDP up to 130W)
1960063011N001	ASMB-822I 2U/4U CPU cooler (TDP up to 130W)
ASMB-RF3X8-21A1E	2U Riser Card (2 x PCI-X + 1 x PCIe x8)
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

I/O View



ASMB-822-00A2E



ASMB-822I-00A2E