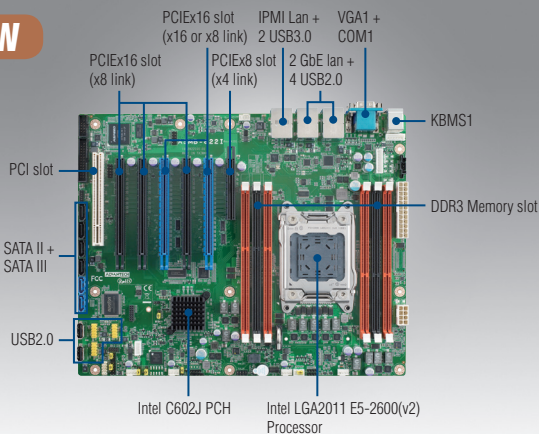


ASMB-8221

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

NEW



Features

- ATX Server Board with Intel Xeon® E5-2600(v2) processor
- DDR3 1333 MHz RDIMM up to 96 GB
- 5 x Gen 3.0 PCIe x16 slots
- 0 ~ 60° C ambient operation temperature range

Software APIs:



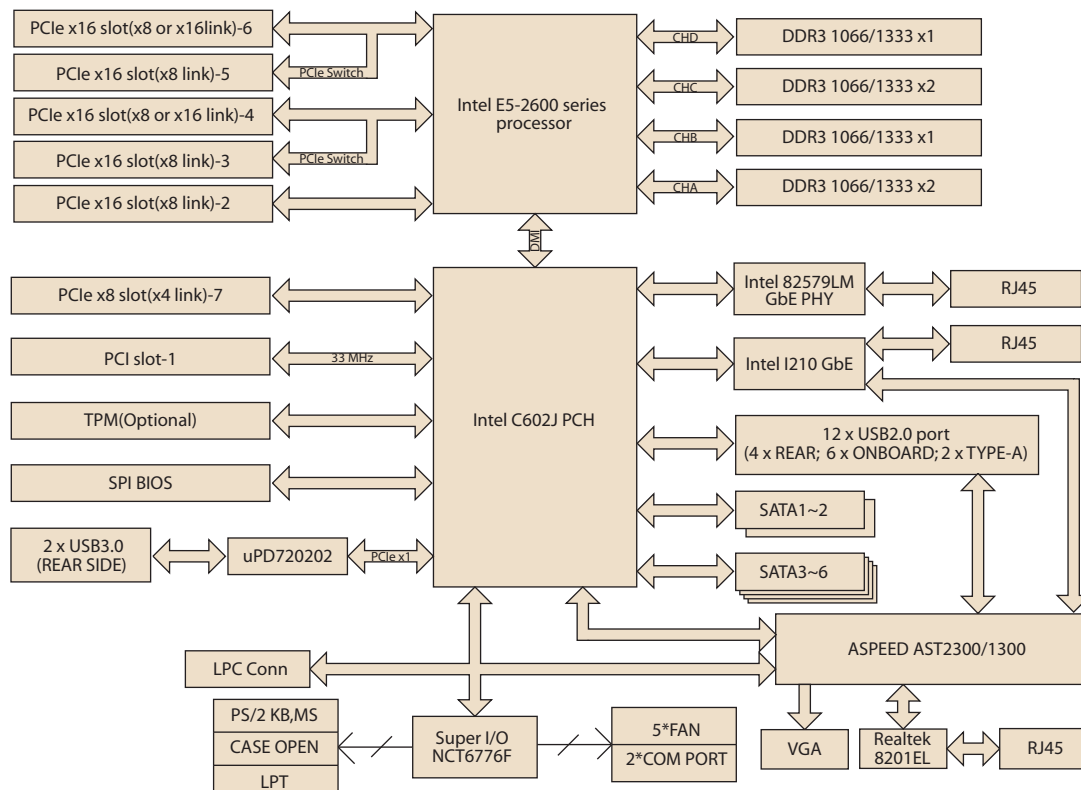
Utilities:



Specifications

Form Factor	ATX form factor	
Processor System	Socket	Intel LGA 2011
	CPU type	Intel Xeon E5-2600(v2) Series (TDP up to 95W)
Core Logic	Chipset	Intel C602J chipset
Memory	Total slots	6
	Capacity	Maximum 96 GB ECC RDIMM
	Memory type	DDR3 ECC-REG/ECC/Non-ECC 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
	SAS 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	-
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 5 Vsb -12 V
Environment		13.69 A 7.77 A 33.48 A 2 A 0.5 A
	Operating	Non-operating
Physical Characteristics	Temperature	0 ~ 60° C, depends on CPU speed and cooler solution -40 ~ 85° C
	Humidity	0% ~ 90% 5% ~ 95% (Non condensing)
Physical Characteristics	Dimensions	304.8 x 244 mm (12" x 9.6")

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

Bracket View



ASMB-822I-00A2E



ASMB-822-00A2E

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
1960048321T010	I/O shield	x 1
ASMB-BMC-00A1E	BMC module (only included in ASMB-822I SKU)	x 1

Optional Accessories

Part Number	Description
1960060221N001	LGA 2011 CPU heatsink for 1U chassis
1960058073N001	LGA 2011 CPU cooler for 2U/4U chassis
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