ASMB-922
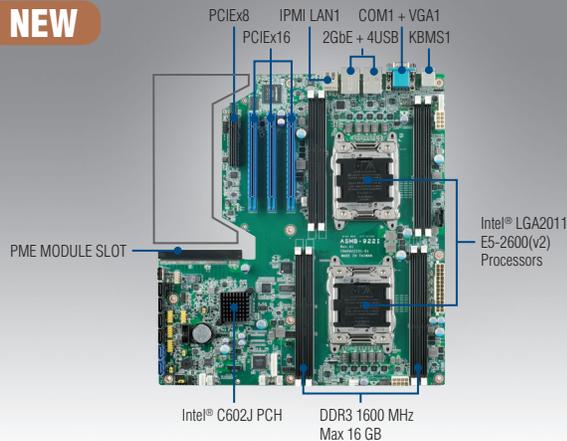
Dual Intel® Xeon® E5-2600 / 2600 v2 EATX Server Board with DDR3, 3 PCIe x16 + 1 PCIe x8, PME support

NEW

PCIEx8 IPMI LAN1 COM1 + VGA1
PCIEx16 2GbE + 4USB KBMS1

PME MODULE SLOT

Intel® LGA2011
E5-2600(v2)
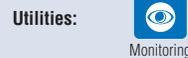Processors

Intel® C602J PCH

DDR3 1600 MHz
Max 16 GB

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
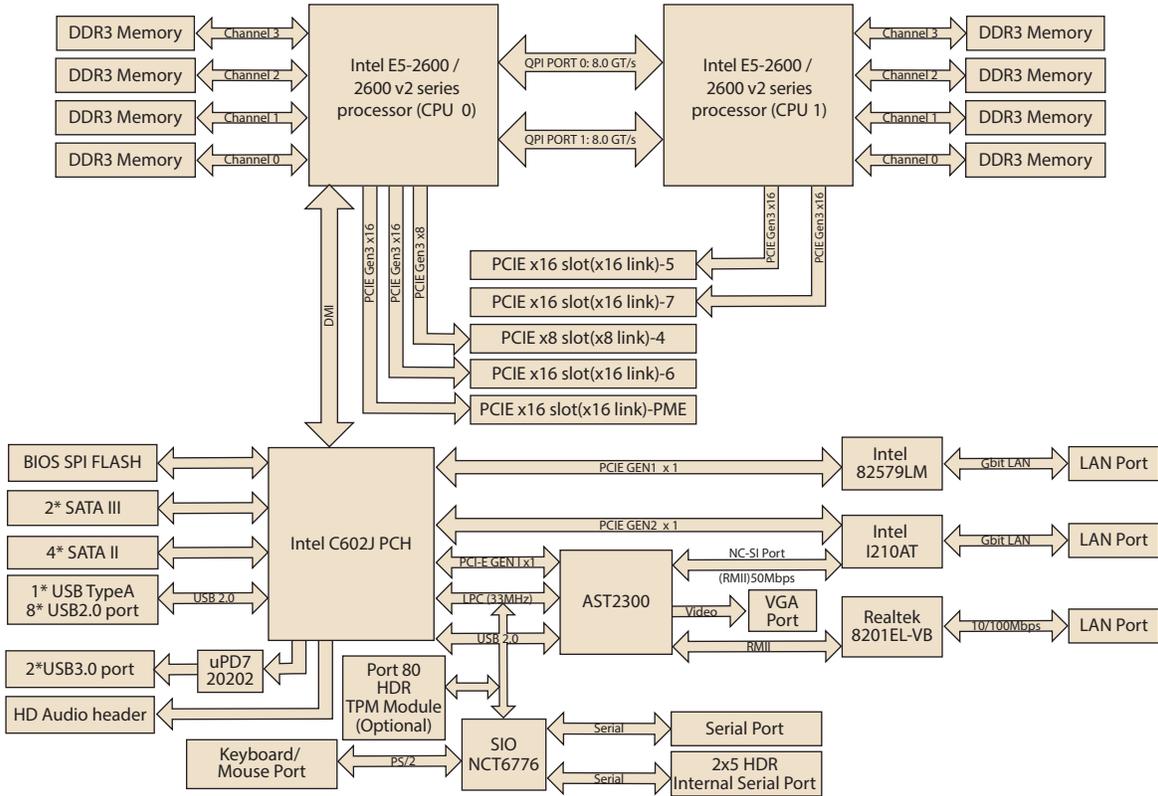- 0~40° C ambient operation temperature range

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

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 / 2600v2 dual processor (TDP up to 130W)
Core Logic	Chipset	Intel C602J chipset
Memory	Total slots	8 (Quad Channel)
	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
	Slot location 7	1 x PCIe x16 slot (Gen3 x16 link) signal from CPU1
Graphics	VGA	Aspeed AST2300 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 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
	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
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		Operating	Non-operating
	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-922-00A1E	C602J	DDR3 Non-ECC/ECC/REG	2	-	AST 1300
ASMB-922I-00A1E	C602J	DDR3 Non-ECC/ECC/REG	2	Yes	AST 2300

Packing List

Part Number	Description	Quantity
2066922I00	Driver CD	x 1
2006922I10	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

Bracket View

ASMB-922I-00A1E

ASMB-922-00A1E

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