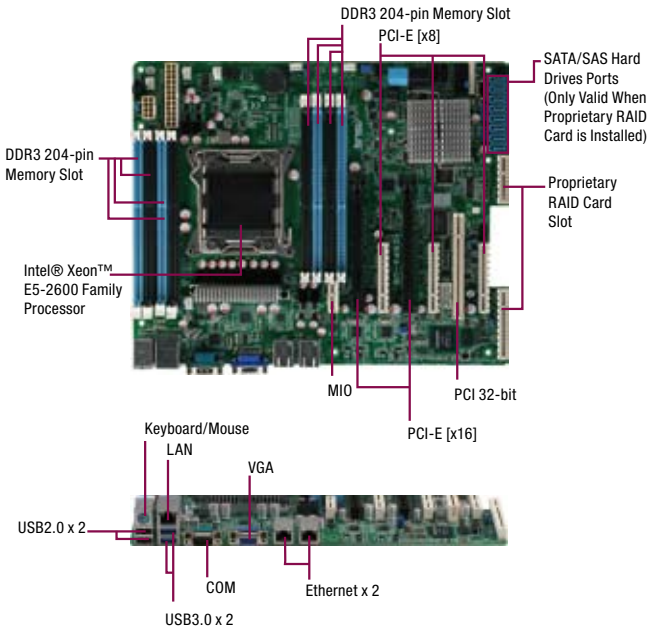
CMB-A9SP2

High-end Workstation Board with Intel® Xeon™ Processors



Features

- Intel® Xeon™ E5-2600 Family Processors
- Intel® Patsburg-A PCH
- Onboard 8 of DDR3 Slots
- Gigabit Ethernet x 2
- Embedded 6 of SATA Hard Disks Support
- Up to 8 of SAS Hard Disks Support By PIKE RAID Card
- Built-in BMC Engine
- Windows™ 2008 R2, Windows® 7/8, Cent OS, RHEL, SuSE Support
- ATX Form Factor

Specifications

System	
Form Factor	ATX
Processor	Socket LGA 2011 x 1, Intel® Xeon E5-1600 Processors Socket LGA 2011 x 1, Intel® Xeon E5-2600 Processors
System Memory	204-pin Dual channel DDR3 1066/1333/1600, RDIMM, UDIMM, LRDIMM, up to 256GB LRDIMM
Chipset	Intel® C602-A PCH
I/O Chipset	—
Ethernet	Intel® 82574L, RJ-45 x 2 Management, RJ-45 x 1
BIOS	AMI
Wake On LAN	—
Watchdog Timer	—
H/W monitoring	CPU Temperature, Cooling Fan status
Expansion Interface	PCI-E [x16] x 2 (Auto switch to [x8] if slot 3 or 5 is occupied) PCI-E [x8] x 3 PCI 32-bit/ 33MHz x 1 MIO x 1 (for Audio card)
Power Requirement	90 VDC ~ 240 VDC
Board Size	12" (L) x 9.6" (W) (305mm x 244mm)
Gross Weight	10 pcs in BULK package
Operation Temperature	50°F ~ 95°F (10°C ~ 35°C)
Storage Temperature	—
Operation Humidity	—
MTBF	—
Display	
Chipset	Aspeed AST2300
Memory	16MB VRAM
Resolution	1920 x 1200 @60Hz 32bpp
Output Interface	VGA x 1
I/O	
Storage	SATA 6.0Gb/s x 2, SATA 3.0Gb/s x 4, Support Software RAID 0,1,5,10 Upgradable to SAS2 6.0Gb/s x 8 with PIKE
Serial Port	—
USB	USB3.0 x 2, USB2.0 x 2
PS/2 Port	Keyboard/Mouse x 1
Digital I/O	—
Audio	—

Applications

- High-end Workstation
- Imaging Processing
- Pre-Press Production
- Graphic Station
- Medical Image Analysis
- Video Editing Station

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Dimension

Unit: mm

Launching in Q1

Ordering Information

Part No.	CPU	RAM	FAN/ Fanless	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
TBD	Socket	1066/1333/1600, RDIMM 1066/1333, UDIMM 1066/1333. LRDIMM	Fan	VGA	—	GbE x 2	4	0	0	PCI-E [x16] x 2 PCI-E [x8] x 3 PCI 32-bit x 1 MIO x 1	90 V DC ~ 240 V DC	10°C ~ 35°C