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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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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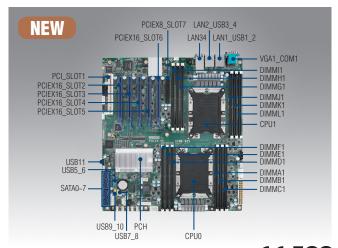






ASMB-925

Dual LGA3647-PO Intel® Xeon® Scalable EATX Server Board with 12 DDR4, 5 PCIe x16 + 1 PCIe x8 + 1 PCI, 8 SATA3, 6 USB3.0, Dual 10GbE, IPMI



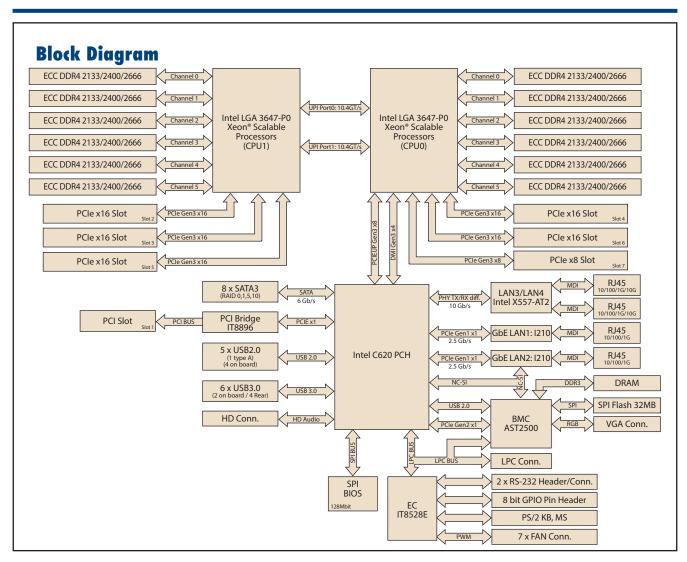
Features

- EATX Server Board with dual Xeon Scalable processors
- DDR4 2666 MHz RDIMM up to 384 GB (12 DIMMs)
- Five PCle x16 (Gen3), one PCle x8 (Gen3), and one PCl slots
- Intel® X557-AT2 dual 10GbE ports
- Eight SATA3 and six USB3.0 ports
- 0 ~ 40 °C ambient operation temperature range

C€ FCC

Specifications

ocket	EATX form fact	or					
	Intel LGA3647						
CPU type	Intel EGASG47-FU Intel Xeon Scalable dual processors (CPU cooler should be purchased separately and TDP up to 205W)						
Chipset	Intel C620 chip		00010 (01 0 000101 0	silodia do paronac	ood coparatory an	id 1D1 up to 20011)	
otal slots	12 (1 DIMM p						
Capacity	Maximum 384	GB ECC RDIMI	Л				
Memory type	DDR4 ECC-REG 1866/2133/2400 /2666 MHz DIMM						
Memory size	4 GB, 8 GB, 16		400 /2000 IVII IZ DIIV	/IIVI			
	7	7 GD, 32 GD					
	PCL cianal fro	m DCH					
			I from CDII1				
	ASFEED ASTZ	300/2310					
	Intal C620: 8 v	SATAR / 6 Gh/s	norte Intal Ranid S	torane Technology	(for Windows o	anly)	
ATA controller							
AS controller	-	Supports Softwo	uio 11/11D 0, 1, 10 Q	0)			
	2 v Intel I210Δ	T / Intel X557-Δ	T2 (dual 10GhF nor	ts for ASMR-9251	[2 sku only)		
	-	1 / 11101 7001 71	TE (ddd: TOGDE por	to for MolVID OZO	iz ona omy		
	24-nin SSI no	wer connector +	3 x 8-nin SSI 12 V	nower connector			
					hoard headers)	⊥ 1 x Tvne-Δ LISR2 Ω	nort
	1 x 4piii (3 ioi	3y316111 + 2 101 C	01 0)				
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	- (LAIVE SHAIRING WITH IN MITCHOLD II)						
	_						
Software	_						
Out of band remote management	Voc (ASMR_02	25I/ASMB-925T	2 sku only)				
CPU temperature	Yes	JI/AUNID JZJ1	2 Sku Offiy)				
i o tomporaturo	Yes						
	System reset						
System Monitoring							
System Monitoring Output		1 ~ 255 car/mi	n				
System Monitoring Dutput nterval	Programmable	1 ~ 255 sec/mi		5Veh	-12\/	12\/ QD 0	12\/ QD 1
System Monitoring Dutput Interval Power On	Programmable 3.3V	5V	12V	5Vsb	-12V	12V_8P_0	12V_8P_1
System Monitoring Dutput nterval	Programmable 3.3V 1.51A			0.05A	0A	12V_8P_0 20.58A	12V_8P_1 20.08A
System Monitoring Dutput Interval Power On	Programmable 3.3V 1.51A Operating	5V 5.19A	12V 0A	0.05A Non-operatin	0A		
System Monitoring Dutput Interval Power On	Programmable 3.3V 1.51A Operating 0 ~ 40 °C, dep	5V	12V 0A	0.05A	0A		
System Monitoring Dutput Iterval Power On 205W CPU@2.5GHz DDR4 2400 4G*12)	Programmable 3.3V 1.51A Operating	5V 5.19A	12V 0A	0.05A Non-operatin -40 ~ 85 °C	0A	20.58A	
	otal PCI/PCI-X/PCIe slots lot location 1 lot location 2 lot location 3 lot location 3 lot location 4 lot location 5 lot location 6 lot location 7 GA DE controller ATA controller ASC controller BE/10GbE LAN loppy connector SU connector SB connector SB connector an header MBus hassis intruder ront LAN LED udio Header S/2 KB/Mouse erial port header xternal serial port xternal USB port GA port J-45 S/2 KB/mouse efiniband	otal PCI/PCI-X/PCIe slots 7 lot location 1 PCI, signal fro lot location 2 PCIe x16 slot lot location 3 PCIe x16 slot lot location 4 PCIe x16 slot lot location 5 PCIe x16 slot lot location 6 PCIe x16 slot (old location 7 lot location 7 PCIe x8 slot (x8 slot) GA ASPEED AST2 JE controller - ATA controller Intel C620: 8 x (SATAO-SATA7 AS controller - bE/10GbE LAN 2 x Intel I210A loppy connector - SU connector 24-pin SSI por SB connector 4 x USB2.0 po an header 7 x 4pin (5 for MBus 1 ront LAN LED 1 udio Header 1 S/2 KB/Mouse 1 erial port header 1 xternal serial port 1 xternal serial port 1 xternal Serial port 4 xternal serial port 4 xternal s	otal PCI/PCI-X/PCIe slots 7 lot location 1 PCI, signal from PCH lot location 2 PCIe x16 slot (x16 link), signal lot location 3 PCIe x16 slot (x16 link), signal lot location 4 PCIe x16 slot (x16 link), signal lot location 5 PCIe x16 slot (x16 link), signal lot location 6 PCIe x16 slot (x16 link), signal lot location 7 PCIe x8 slot (x8 link), signal fr GA ASPEED AST2500/2510 DE controller - ATA controller Intel C620: 8 x SATA3 / 6 Gb/s (SATA0-SATA7 supports softw. AS controller - bE/10GbE LAN 2 x Intel I210AT / Intel X557-A loppy connector - SU connector 24-pin SSI power connector + x USB2.0 ports (two onboard and header 7 x 4pin (5 for system + 2 for 0 or	otal PCI/PCI-X/PCIe slots 7 lot location 1 PCI, signal from PCH lot location 2 PCIe x16 slot (x16 link), signal from CPU1 lot location 3 PCIe x16 slot (x16 link), signal from CPU1 lot location 4 PCIe x16 slot (x16 link), signal from CPU0 lot location 5 PCIe x16 slot (x16 link), signal from CPU0 lot location 6 PCIe x16 slot (x16 link), signal from CPU0 lot location 7 PCIe x16 slot (x16 link), signal from CPU0 lot location 7 PCIe x8 slot (x8 link), signal from CPU0 GA ASPEED AST2500/2510 - ATA controller ATA controller Intel C620: 8 x SATA3 / 6 Gb/s ports Intel Rapid S (SATA0-SATA7 supports software RAID 0, 1, 10 & - bE/10GbE LAN 2 x Intel I210AT / Intel X557-AT2 (dual 10GbE por loppy connector SU connector SU connector 4 x USB2.0 ports (two onboard headers) + 2 x US an header 7 x 4pin (5 for system + 2 for CPU) MBus 1 hassis intruder 1 ront LAN LED 1 udio Header 1 xternal serial port xternal serial port xternal serial port xternal uSB port 4 (USB3.0) GA port 1 1 1 1 1 1 1 1 1 1 1 1 1	otal PCI/PCI-X/PCIe slots 7 lot location 1 PCI, signal from PCH lot location 2 PCIe x16 slot (x16 link), signal from CPU1 lot location 3 PCIe x16 slot (x16 link), signal from CPU1 lot location 4 PCIe x16 slot (x16 link), signal from CPU0 lot location 5 PCIe x16 slot (x16 link), signal from CPU0 lot location 6 PCIe x16 slot (x16 link), signal from CPU0 lot location 7 PCIe x8 slot (x8 link), signal from CPU0 lot location 7 PCIe x8 slot (x8 link), signal from CPU0 GA ASPEED AST2500/2510 Intel C620: 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (SATA0-SATA7 supports software RAID 0, 1, 10 & 5) AS controller Intel C620: 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (SATA0-SATA7 supports software RAID 0, 1, 10 & 5)	total PCI/PCI-X/PCIe slots 7 fot location 1 PCI, signal from PCH lot location 2 PCIe x16 slot (x16 link), signal from CPU1 lot location 3 PCIe x16 slot (x16 link), signal from CPU1 lot location 4 PCIe x16 slot (x16 link), signal from CPU0 lot location 5 PCIe x16 slot (x16 link), signal from CPU1 lot location 5 PCIe x16 slot (x16 link), signal from CPU1 lot location 6 PCIe x16 slot (x16 link), signal from CPU0 lot location 7 PCIe x8 slot (x8 link), signal from CPU0 lot location 7 PCIe x8 slot (x8 link), signal from CPU0 ASPEED AST2500/2510 E controller ATA controller ATA controller ATA controller ATA controller ASPEED AST2500/2510 AS controller - Lot (262): 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports software RAID 0, 1, 10 & 5) AS controller - Lot (262): 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports software RAID 0, 1, 10 & 5) AS controller - Lot (262): 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports software RAID 0, 1, 10 & 5) - AS controller - Lot (262): 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports software RAID 0, 1, 10 & 5) - Lot (262): 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports software RAID 0, 1, 10 & 5) - LOT (262): 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports Software RAID 0, 1, 10 & 5) - LOT (262): 8 x SATA3 / 6 Gb/s ports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports Intel Rapid Storage Technology (for Windows of (SATA0-SATA7 supports Intel Rapid Storage Technology (for Windows of (SATA0-	Dital PCI/PCI=X/PCIe slots 7



Ordering Information

Part Number	Chipset	Memory	GbE/10GbE LAN	IPMI	VGA Chip
ASMB-925-00A1	C621	DDR4 RDIMM	2/-	-	AST2510
ASMB-925I-00A1	C621	DDR4 RDIMM	2/-	Yes	AST2500
ASMB-925T2-00A1	C622	DDR4 RDIMM	2/2	Yes	AST2500

Packing List

Part Number	Description	Quantity
2061092500	Driver CD	x 1
2001092500	Startup manual	x 1
1700003194	SATA data cables	x 2
1700022749-11	SATA power cables	x 2
1700019748	CPU power cable	x 2
1960076488T000	I/O shield	x 1

I/O View







Optional Accessories

Part Number	Description
PCA-AUDIO-HDB1E	HD Audio-card
PCA-TPM-00A1E	TPM1.2 Module
PCA-TPM-00B1E	TPM2.0 Module
1960081603N001	LGA-3647 narrow CPU cooler for 2U/4U chassis
1960081155N001	LGA-3647 narrow CPU cooler for 1U chassis
1700002204	Dual port USB cable (27 cm) with bracket
1700008461	Four port USB cable (30.5 cm) with bracket
1700020277-01	Dual port USB 3.0 cable (30 cm) with bracket
1701090401	COM port cable with bracket
1960082347T000	For 1U chassis IO shield