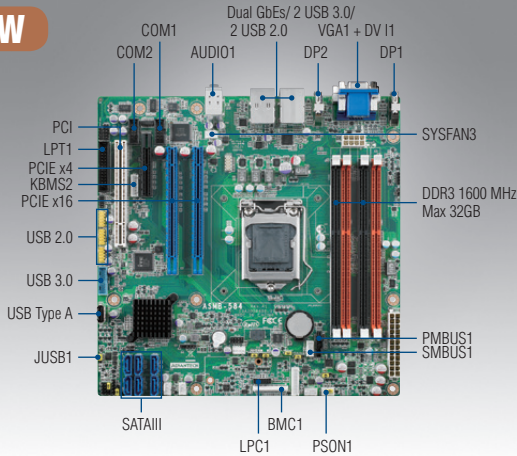


ASMB-584

LGA 1150 Intel® Xeon® E3 V3 Micro ATX Server Board with 2 PCIe x16 slots (x8 link), 1 PCIe x4, 1 PCI, USB 3.0, PCIe Gen III, Dual LANs

NEW



Features

- Supports LGA 1150 Intel® Xeon® E3 V3 processors
- Two PCIe x16 slots (x8 link), one PCIe x4 and one PCI slots
- DDR3 1600 MHz ECC UDIMM up to 32GB
- Rackmount optimized placement with positive air flow design
- Support iAMT 9.0 or IPMI (optional) and Embedded software APIs and utilities

Software APIs:



SMBus

H/W Monitor

Watchdog

Utilities:



Monitoring



Quiet

susiAccess
Remote Device Management

CE FCC



Specifications

Form Factor		Micro ATX form factor			
Processor System	CPU	Xeon E3-1275 v3	Xeon E3-1225 v3	Xeon E3-1268 v3	Core i5-4570TE
	Cores	4	4	4	2
	Speed (GHz)	3.5	3.2	2.3	2.7
	L3 Cache	8 MB	8 MB	8 MB	4 MB
	Socket	LGA 1150			
	Chipset	Intel C226 chipset			
	BIOS	AMI 128 Mbit SPI (UEFI)			
Memory	Technology	Dual Channel DDR3 ECC/Non-ECC 1066/1333/1600 MHz			
	Max. Capacity	32 GB			
	Socket	4 x 240-pin DIMM			
	Memory size	1 GB, 2 GB, 4 GB, 8 GB			
Expansion Slots	PCI 32-bit/33 MHz	1 slots			
	PCIe x4 (Gen2) 2.0 GB/s	1 slots			
	PCIe x8 (Gen3) 8 GB/s	2 slots (x16 slot with x8 link)			
Graphics	Controller	Intel HD Graphics			
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed			
Storage	IDE controller	-			
	SATA controller	Intel C226: 6 SATA3 6 Gb/s ports with Intel Matrix Storage support (for Windows only)			
	SAS controller	-			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Intel I217-LM; GbE LAN2: Intel I210-AT			
	Connector	RJ-45 x 2			
Internal Connectors	Printer Port connector	1			
	PSU connector	24-pin SSI power connector + 8-pin SSI 12 V power connector			
	USB connector	2 USB 3.0; 7 USB 2.0 (1 x USB Type-A)			
	Fan header	5 x 4pin			
	SMBus	2			
	Chassis intruder	1			
	Front LAN LED	1			
	Serial port header	2 (RS-232)			
	Audio Connector	1 (ALC 892)			
Rear I/O Connectors	PS/2 KB/Mouse	1			
	External serial port	-			
	External USB port	4 (2 USB 3.0 and 2 USB 2.0)			
	VGA port	1			
	DVI	1			
	Display Port	2			
	RJ-45	2			
	PS/2 KB/mouse	-			
	Audio	2 (Mic-in, Line-out)			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec			
Power Requirement	Power On	3.3 V	5 V	12 V	V12_8P
		3.7 A	2.22 A	0.07 A	5 Vsb 0.12 A
Environment		Operating		Non-operating	
	Temperature	0 ~ 60° C (32 ~ 140° F)		-40 ~ 85° C (-40 ~ 185° F)	
	Humidity	0% ~ 90%		5% ~ 95% (Non-condensing)	
Physical Characteristics	Dimensions	244 x 244 mm (9.6" x 9.6")			

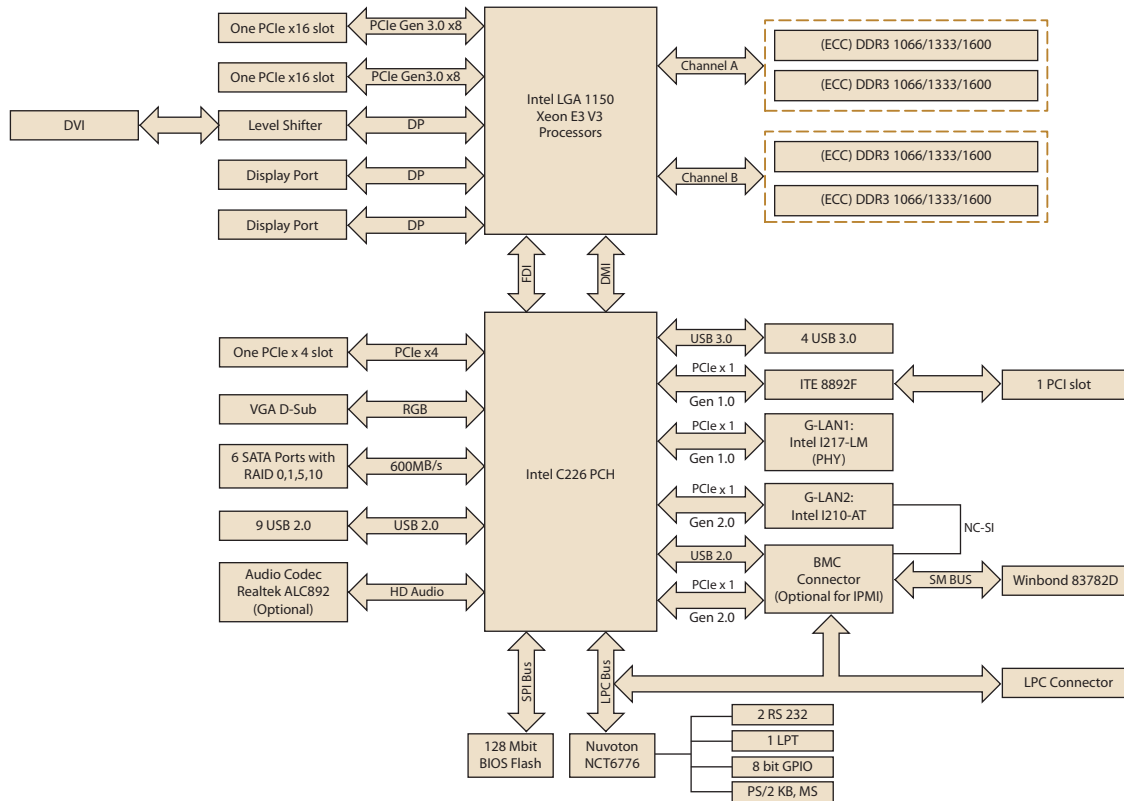
ADVANTECH

Server-grade IPCs

All product specifications are subject to change without notice

Last updated : 1-Jul-2013

Block Diagram



Ordering Information

Part Number	Chipset	Memory	LAN	Display Port	IPMI
ASMB-584G2-00A1E	C226	DDR3 ECC UNB/Non-ECC	2	2	Optional Module
ASMB-584VG-00A1E	C226	DDR3 ECC UNB/Non-ECC	1	N/A	N/A

Packing List

Part Number	Description	Quantity
2066S58400	Driver CD	x 1
2066S58410	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 2
19Z0000470T000	I/O shield	x 1

Optional Accessories

Part Number	Description
1700002204	Dual port USB 2.0 cable (27 cm) with bracket
1700008461	Four port USB 2.0 cable (30.5 cm) with bracket
1960047669N001	LGA1155/1156 CPU cooler for 4U and wallmount chassis
1960047831N001	LGA1155/1156 CPU cooler for 2U and wallmount chassis
1960052651N001	LGA1155/1156 CPU cooler for 2U and wallmount chassis
1700008809	Printer port cable kit (25 cm)
1700020294-01	Printer port cable kit (42 cm)
1701090401	COM port cable with bracket
1700020277	Dual port USB 3.0 cable with bracket
AIMB-AUDIO-HDA1E	HD Audio-Card
IPMI-1000-00A1E	IPMI 2.0 Module

Bracket View



ASMB-584G2-00A1E



ASMB-584VG-00A1E