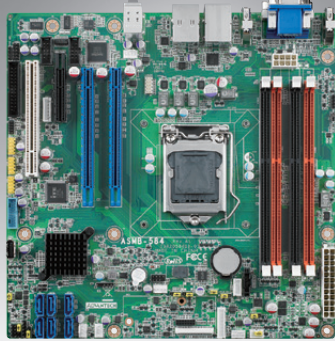


ASMB-584

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

Preliminary



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:



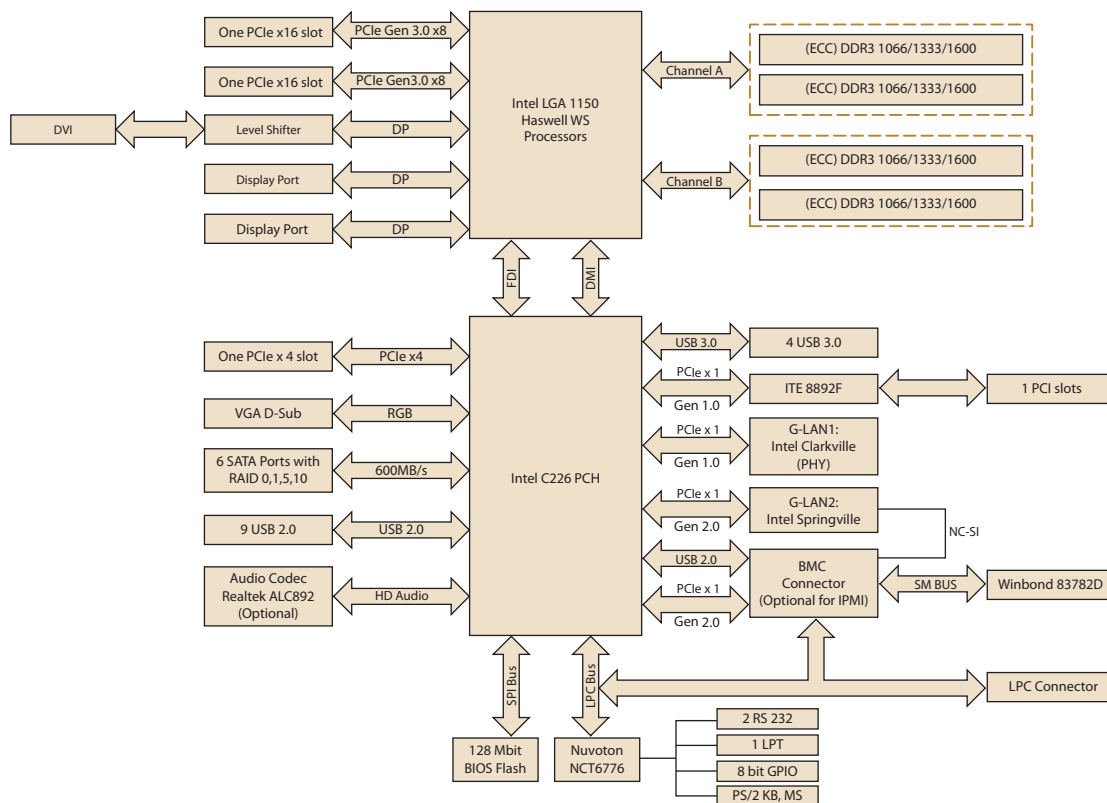
Utilities:



Specifications

Form Factor		ATX form factor					
Processor System	CPU	Xeon E3 V3					
	Cores	TBD					
	Speed	TBD					
	L3 Cache	TBD					
	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 x16 (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 Clarkville; GbE LAN2: Intel Springville					
	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)					
	PS/2 KB/Mouse	1					
Rear I/O Connectors	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)					
Infiniband	-						
Watchdog Timer	Output	System reset					
	Interval	Programmable 1 ~ 255 sec					
Power Requirement	Power On	3.3 V	5 V	12 V	V12_8P	5 Vsb	-12 V
		Operating Non-operating					
Environment	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")					

Block Diagram



Ordering Information

Part Number	Chipset	Memory	LAN	USB 3.0
ASMB-584G2-00A1E	C226	DDR3 ECC UNB/ Non-ECC	2	4

Packing List

Part Number	Description	Quantity
2066S58400	Driver CD	x 1
2006S58410	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 2
TBD	I/O shield	x 1

Bracket View

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