

HPC-8424

4U Storage Chassis for ATX/EATX Serverboard with 24 Hot-swap Drive Bays

NEW



CE FCC

Features

- 4U rackmount chassis supports EATX/ATX/uATX motherboard
- 24-bay hot-swappable 3.5"/2.5" SAS 12Gb/s drives or SATA 6Gb/s drives
- 4 x NVMe drives supported via an optional riser card
- Support 2 hot-swappable 2.5" drive bays at the rear
- Supports 80+ redundant power supply

Specifications

Drive Bay	3.5"/2.5"	Front	Rear
	2.5"	24 (Hot-Swap)	-
Cooling	Fan	4 (8 cm)	
	Air Filter	-	
Front I/O Interface	USB	2	
Miscellaneous	LED Indicators	LAN1, LAN2, HDD, Power, and Information LED	
Environment	Temperature	Operating	Non-Operating
		0 ~ 35 °C (32 ~ 95 °F)	-40 ~70 °C (-40 ~158 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing	
	Vibration (5 ~ 500 Hz)	0.25 Grms	2 G
Physical Characteristics	Shock	5 G (with 11 ms duration, half sine wave)	
	Dimensions (W x H x D)	438 x 176 x 620 mm (17.24" x 6.93" x 24.41") / 438 x 176 x 540 mm (17.24" x 6.93" x 21.26")	
	Weight	31 kg (without hard drivers)	

Front View

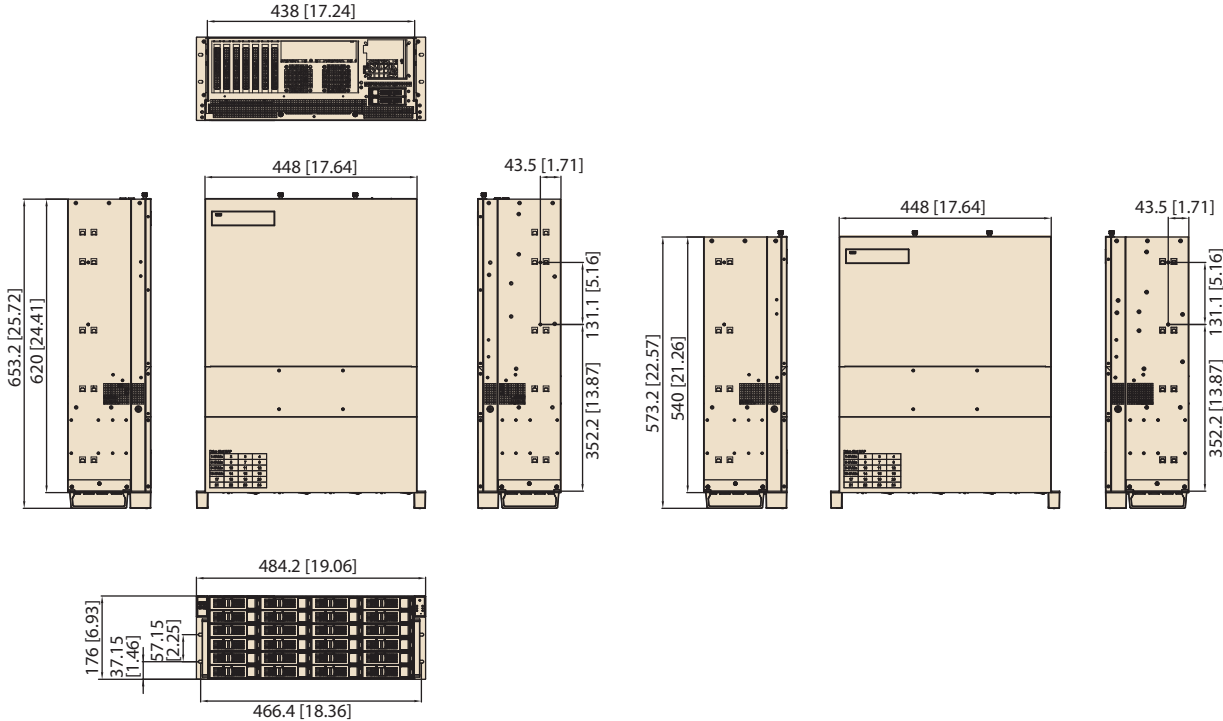


Rear View



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Chassis Depth	Built-in PSU Configuration	Front HDD Backplane	Rear HDDs (2 x 2.5")	Default Rail Kit	Motherboard Form-factor	Expansion Slots
HPC-8424SE-R8A1E	620mm	RPSU 800W	SAS12Gb/s	Hot-Swap	26"	EATX, ATX, uATX	x6* Full Height
HPC-8424SA-R5A1E	540mm	RPSU 550W	SAS12Gb/s	Hot-Swap	26"	ATX, uATX	x6* Full Height

Note: one slot will be occupied by SAS RAID card

Packing List

Item	Quantity
Slide Rail Kit	1

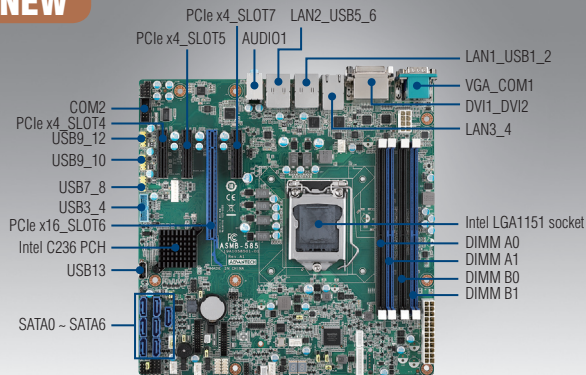
Optional Accessories

Part Number	Description
9891821200E	PCIe x16 Riser card for 4-port NVMe drives
1700025064-01	Internal SAS cable (12G) SFF8643 to SFF8643, 60cm
1700025439-01	Internal SAS cable (6G) SFF8643 to SFF8087, 60cm

ASMB-585

LGA 1151 Intel® Xeon® E3 v5/v6 & 6th/7th Generation Core i series Micro ATX Server Board with 4 DDR4, 1 PCIe x16, 3 PCIe x4, Quad LANs, USB 3.0

NEW



Features

- Supports LGA 1151 Intel® Xeon® E3-1200 v5/v6 and 6th/7th Generation Core™ i7/i5/i3 processors
- DDR4 ECC/Non-ECC 2133/1866/1600 MHz DIMM up to 64GB
- One PCIe x16 slot (Gen3 x16 link), three PCIe x4 slots (2 Gen3 x4 link, 1 Gen3 x1 link)
- 0 ~ 60° C ambient operation temperature range
- Support up to ten RS-232 or six RS-232 and four RS-422/485 ports
- Support up to four Gigabit LAN ports
- Triple display - two DVI-D and one VGA ports
- Support seven SATA3 ports and six USB 3.0 ports

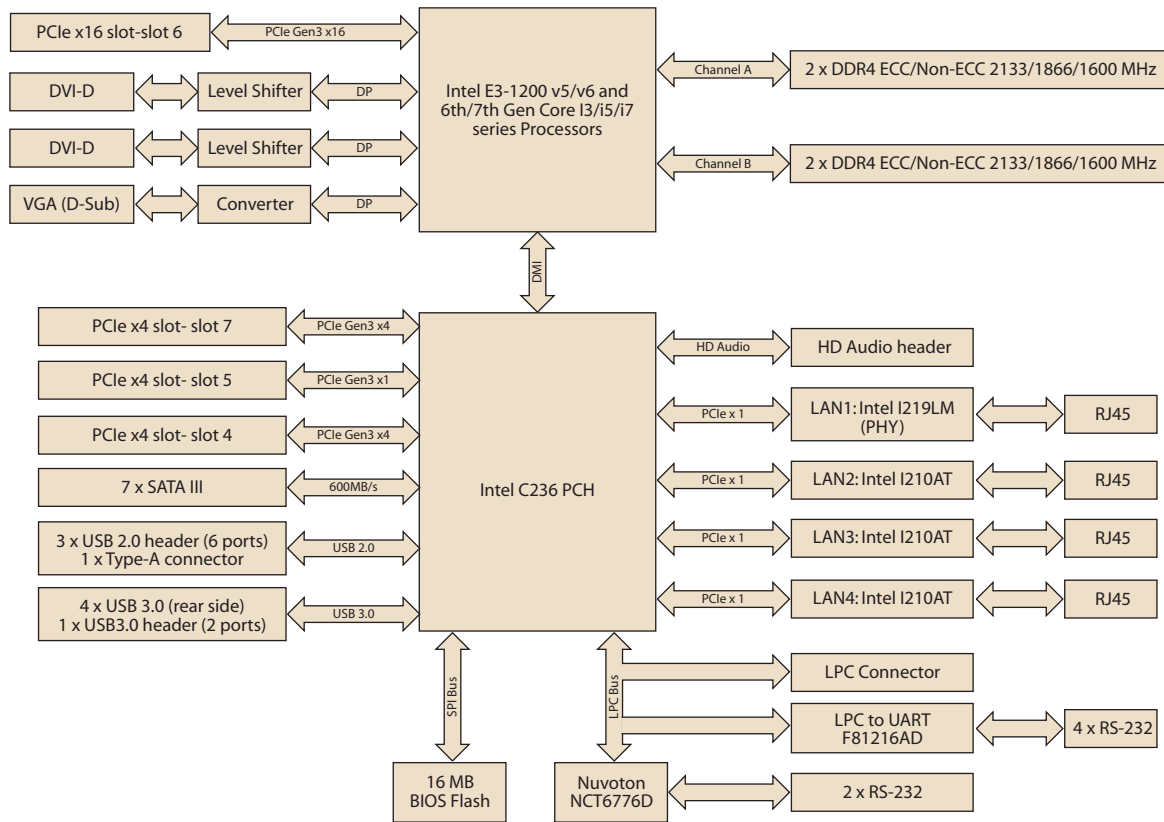
Quiet

Specifications

CE FCC

Form Factor	Micro ATX form factor					
Processor System	Socket	Intel LGA 1151				
	CPU type	Intel® Xeon® E3-1200 v5/v6 and 6th/7th Gen Core™ i3/i5/i7 series processors (TDP up to 91W)				
Core Logic	Chipset	Intel C236 chipset				
Memory	Total slots	4				
	Capacity	Maximum 64 GB				
	Memory type	DDR4 ECC/Non-ECC 2133/1866/1600 MHz UDIMM				
	Memory size	4 GB, 8 GB, 16 GB				
Expansion Slots	Total PCI/PCI-X/PCIe slots	4				
	Slot location 1	-				
	Slot location 2	-				
	Slot location 3	-				
	Slot location 4	PCIe x4 slot (Gen3 x4 link)				
	Slot location 5	PCIe x4 slot (Gen3 x1 link)				
	Slot location 6	PCIe x16 slot (Gen3 x16 link)				
Graphics	VGA	Intel HD Graphics				
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed				
Storage	SATA controller	Intel C236: 7 SATA3 6Gb/s Intel Matrix Storage (for Windows only) (Supports software RAID 0, 1, 10 & 5)				
	SAS controller	-				
Networking	GbE LAN	1 x Intel I219LM + 3 x Intel I210AT				
Onboard I/O Connectors	LPT connector	-				
	PSU connector	24-pin SSI power connector + 8-pin SSI 12 V power connector				
	USB 2.0 connector	3 (supports 6 x USB2.0 port), 1 x Type-A				
	USB 3.0 connector	1 (support 2 x USB 3.0 port)				
	Fan header	5 x 4pin				
	SMBus	1				
	Chassis intruder	1				
	Front LAN LED	2				
	Audio Header	1 (ALC 892)				
	Serial port header	3 (supports 5 x serial ports)				
Rear I/O Connectors	External serial port	1				
	External USB port	4 x USB 3.0				
	VGA port	1				
	DVI port	2				
	RJ-45	4				
	PS/2 KB/mouse	-				
Watchdog Timer	Audio	2 (Mic-in , Line-out)				
	Output	System reset				
Power Requirement	Interval	Programmable 1 ~ 255 sec/min				
	Power On	3.3 V	5 V	12 V	5 Vsb	-12 V
Environment		0.68A	1.31A	1.04A	0.13A	0.06A
		Operating		Non-operating		
	Temperature	0 ~ 60° C, depends on CPU speed and cooler solution		-40 ~ 85° C		
Physical Characteristics	Humidity	0% ~ 90%		5% ~ 95% (Non condensing)		
	Dimensions	244 x 244 mm (9.6" x 9.6")				

Block Diagram



Ordering Information

Part Number	Chipset	Memory	LAN	IPMI	Graphic
ASMB-585G2-00A1E	C236	DDR4 ECC/Non-ECC	2	-	Intel HD Graphics
ASMB-585G4-00A1E	C236	DDR4 ECC/Non-ECC	4	-	Intel HD Graphics

Packing List

Part Number	Description	Quantity
2061058500	Driver CD	x 1
2001058510	Startup manual	x 1
1700003194	SATA data cables	x 2
1703150102	SATA power cables	x 2
19Z0000996T010	I/O shield	x 1

Optional Accessories

Part Number	Description
1960049408N001	LGA 1151 CPU heatsink for 1U chassis (TDP up to 95W)
1960052651N021	LGA 1151 CPU cooler for 2U/4U chassis (TDP up to 95W)
PCA-TPM-00A1E	TPM Module by LPC
19Z0001156T010	1U IO bracket for ASMB-585
1700002204	Dual port USB2.0 cable (27 cm) with bracket
1700008461	Four port USB2.0 cable (30.5 cm) with bracket
1700020277-01	Dual port USB3.0 cable (30 cm) with bracket
PCA-COM232-00A1E	4 ports RS-232 module connect to LPC connector
PCA-COM485-00A1E	4 ports RS-422/485 module connect to LPC connector
1701090401	Single port RS-232 cable(40cm) for COM2 connector
1700026254-01	Dual port RS-232 cable(45cm) for COM3_4 & COM5_6 connector
968EMLSAP2	SUSIAccess Pro 3.0
1700019268-11	Cable for onboard KBMS1 connector (35cm)
1960063434N000	Cable bracket for 1700019268-11

I/O View



ASMB-585G2-00A1E



ASMB-585G4-00A1E

Note 1: Purchasing ASMB-585's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers may NOT compatible with ASMB-585.