

SYS-4U4320-MR02E

**EN60945 Compliant
4U System for Maritime
Applications**



Features

- EN60945 Compliant
- Intel® Q87 Platform
 - 4th Gen Intel® Core™ i (LGA1150)
- Expansion Capability
 - 4 PCI, 3 PCIe, expansion slots
- Thoughtful and Management Design
 - Rich I/O interfaces
 - Triple display support
 - Fan-based thermal management
 - Lockable front door prevents Tampering
 - System alarm notification by front LED indicators

Software APIs:



Watchdog

H/W Monitor

GPIO

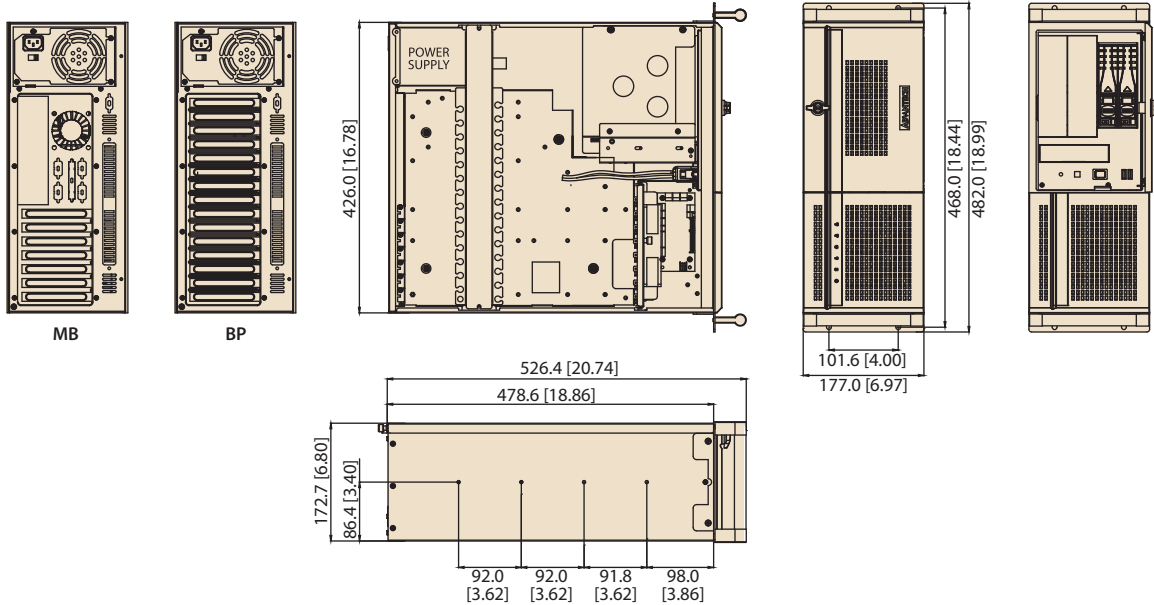


Specifications

Processor System	CPU	4th Gen Intel® Core™ Processors (LGA1150)
	BIOS	AMI 128 Mbit SPI
	System Chipset	Intel Q87
	Memory Type	DDR3 1333/1600 MHz, up to 32GB
	Power Supply	400W SPS Power Supply AC 100-240V
Expansion Slot	PCIe x1 (Gen2)	1
	PCIe x4 (Gen2)	1
	PCIe x16 (Gen3)	1
	PCI	4
Drive Bay	5.25" (Front-accessible)	2
	3.5"/2.5" (Front SAS/SATA HDD tray)	2
Rear I/O	VGA	1
	DVI	2
	Ethernet	2 x RJ-45
	USB	4 (Two USB 3.0)
	Audio	2 (Mic-in, Line-out)
	Serial	1 (RS-232_)
	PS/2	2 (1 x keyboard, 1 x mouse)
Internal Connector	USB	7 x USB 2.0, 2 x USB 3.0
	COM	4 (3 x RS-232, 1 x RS-232/422/485 with BIOS selection)
	SATA	6
	Parallel	1
	Display Port	1
	IrDA	1
	GPIO	8-bit
Graphics	Controller	Intel HD Graphics
	VRAM	Shared system memory
Ethernet	Controller	LAN 1: Intel I217LM LAN 2: Intel I211AT
	Interface	10/100/1000 Mbps
Cooling	Chassis FAN	1 (12 cm / 114 CFM) + 1 (6 cm / 28 CFM)
Front I/O Interface	LED indicators	PWR, HDD, Fan, Temperature, LAN1, LAN2
	Control	PWR ON/OFF, System Reset Switch, Alarm Reset Switch
	USB	2 x USB 2.0
Mechanical & Environmental	Operating Temperature	0° C to 40°C (32° F to 113° F)
	Operating Humidity	10% to 85% @ 40°C relative humidity, non-condensing
	Vibration	0.5 Grms
	Size (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")
	Weight	18kg

Dimensions

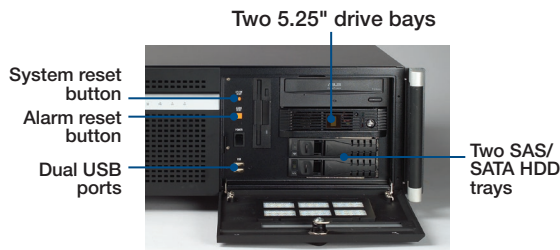
Unit: mm [inch]



System Content

Part Number	Description
ACP-4320MB-00XE	4U chassis for ATX motherboard
XSCH-B001120414	PS/2 A/D 100-240V 400W ATX
AIMB-784G2-00A1E	LGA1150 4th Generation Intel Q87 Core i7/i5/i3 ATX with DVI/VGA, DDR3, SATA III, USB 3
1960047670N001	Cooler I-LGA1156 S-95W 120X120X77-PP 12V0.4A 50° C

Front View



Inside View

Easy-to-maintain system fan

