

# HPC-6240 ASMB-622V3

## 2U 20" Short-Depth Edge Accelerator Server with Single Intel® 4th Gen Xeon® Scalable Processors, Supporting 8 Expansion Slots



### Features

- Single Intel® 4th Gen Xeon® scalable processors
- DDR5 4400/4000MHz RDIMM up to 4TB, support Intel optane persistent memory
- Two PCIe x16 Gen 5 slots or four PCIe x8 Gen 5 slots\*
- Four PCIe x8 Gen 5 slots
- Four 2.5" hot-swappable SASII\*\*/SATAIII drive bays (Two can be NVMe in option)
- Two onboard M.2 2280/22110 (SATA/PCIe compatible)
- 4 x GbE, 2 x USB3.2, 1 x Serial Port, 1 x VGA, 1 x IPMI
- 1200W 1+0 platinum non-redundancy power supply

\* Support double-deck GPU Card with active fan

\*\* SASII is only supported with installing RAID card



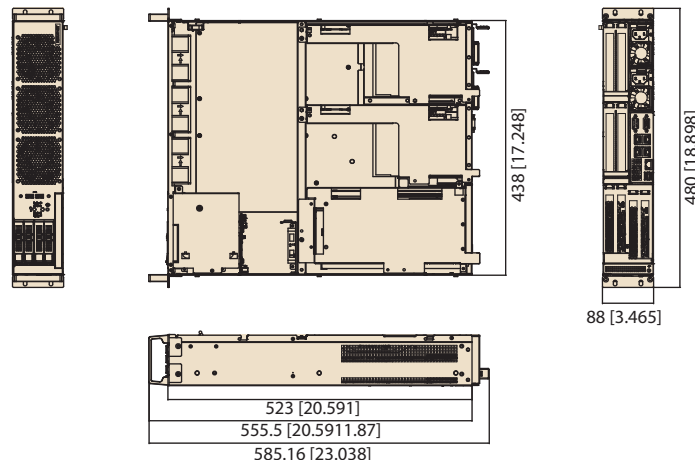
### Specifications

Processor System	Socket	Intel LGA 4677	
	CPU Type	4th Gen Intel Xeon Scalable Processors (TDP up to 225W)	
	Chipset	Intel C741 Chipset	
Memory	Total Slots	16 (2 DIMM Per Channel)	
	Capacity	4TB	
	Memory Type	DDR5 4400/4000MHz RDIMM	
Graphics	Controller	Aspeed AST2600	
	VRAM	64MB	
Expansion Slot	Riser Cage-1	SLOT1: FH/10.5"L PCIe X16 Slot (Gen5 X16 or X8 Link) SLOT2: FH/10.5"L PCIe X16 Slot (No Link or Gen5 X8) SLOT3: FH/10.5"L PCIe X16 Slot (Gen5 X16 or X8 Link) SLOT4: FH/10.5"L PCIe X16 Slot (No Link or Gen5 X8)	
	Riser Cage-2	SLOT5: FH/HL PCIe X8 Slot (Gen5 X8 Link) SLOT6: FH/HL PCIe X8 Slot (Gen5 X8 Link)	
	Riser Cage-3	SLOT7: FH/HL PCIe X8 Slot (Gen5 X8 Link) SLOT8: FH/HL PCIe X8 Slot (Gen5 X8 Link)	
Storage	2.5" (Hot-Swap)	4	
	NVMe	2 (Gen4 in Option)	
	Ultra Slim ODD	1	
	M.2 (2280/22110)	2 (SATA/PCIe Gen3 X4 Link)	
Ethernet	Interface	4 x 10/100/1000 Mbps Gigabit Ethernet	
	Controller	1 x Intel I350	
Front I/O Interface	USB	2 x USB3.2	
	USB	2 x USB3.2	
Rear I/O Interface	Serial Port	1	
	Display	1 x VGA	
	RJ-45	5 (4 x GbE + 1 Dedicated NIC for IPMI)	
Internal connector	Type-A USB	2	
	Serial Port Header	1	
	MCIO	1	
	eSPI	1	
Watchdog Timer	Output	System Reset	
	Interval	Programmable, 1~255 Sec/Min	
Power Supply	Output Range	1200W Platinum 1+0 Non-Redundancy Power Supply	
	Input Range	AC 100 ~ 240 V	
Cooling	System Fan	3 (8CM/38CFM) for Fan 1 (6CM/38CFM) for Cards	
	Air Filter	-	
Miscellaneous	LED Indicators	Power Status, LAN1-LAN4 Status, System information LED	
	Remote Management	Advantech Remote Monitoring Utility	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-40 ~ 70 °C (-40 ~ 156 °F)
	Humidity	10 ~ 85% @ 40 °C	10 ~ 95% @ 40 °C
	Vibration (5 ~ 500 Hz)	0.3 Grms	2 G
	Shock	10G (with 11MS Duration, Half Sine Wave)	
Physical Characteristics	Dimension (W x H x D)	438 mm x 88 mm x 523 mm ( 17.24" x 3.46" x 20.59")	
	Weight (N.W. / G.W.)	12.4 kg/ 14.4 kg	

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## Dimensions

Unit: mm [inch]



## Ordering Information

Part Number	Compatible Chassis	CPU	Memory	Chipset	GbE/ IPMI	Graphic
ASMB-622V3-00A1	HPC-6240	Single P, up to 225W	16 x DDR5 RDIMM	C741	4/ 1(Dedicated NIC)	AST2600
Part Number	Compatible MB	CPU Cooler	GPU	Build-in PSU		
HPC-6240-12ZX	ASMB-62 Series	2U	1x 350W with Active Fan or 2x 175W with Active Fan	1200W, 1+0 Single (Non-Redundancy) PSU		
HPC-6240-12RX					1200W 1+1 Redundant Power Supply	

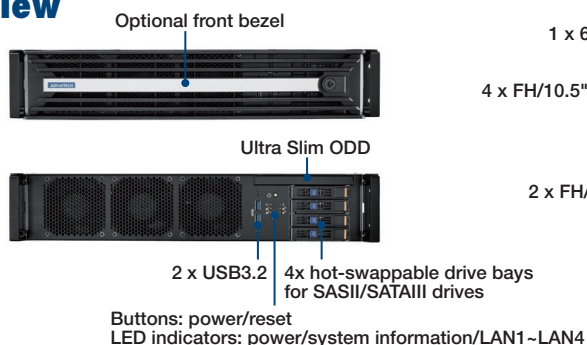
## System Contents

Items	Advantech P/N	Quantity
Startup Manual	2042622V00	1
Rackmount Kit (handle and Ear set)	1960082514T001	2
Extension Bracket for 9.5" GPU Card	1960098660N000	1
Extension Bracket for 10.5" GPU Card	1960097878N000	1

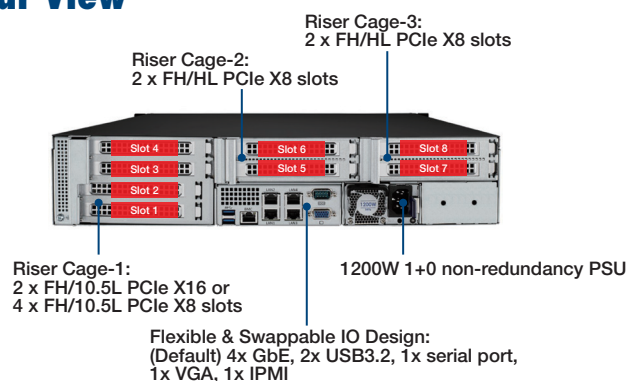
## Optional Accessories

Items	Advantech P/N	Quantity
20" ~ 22" Slide Rail Kit	968DE00012	1
2-Port NVMe Drive Kit	98R1310001E	1
LGA4677 CPU Cooler for 2U Chassis	1970005276T001	1
GPU Power Cable for GPU Card with PCIe 8P+8P Power Connector	1700032433-01	1
GPU Power Cable for GPU Card with CPU 8P Power Connector	1700033606-01	1
ODD Power Cable	96CB-SATAPOWER-6P2	1
ODD Data Cable	1700021735-01	1
1200W Power Module	96PSRM-A1K2WCRPA	1
2U Front Bezel	98R16200010	1

## Front View



## Rear View



## Inner View

