HPC-6240
ASMB-622V3

2U 20" Short-Depth Edge Accelerator Server with Single Intel® 5th/4th Gen Xeon® Scalable Processors, Supporting 8 Expansion Slots



Features

- Single Intel® 5th/4th Gen Xeon® scalable processors
- DDR5 5200MHz RDIMM up to 4TB (16 DIMMs), 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

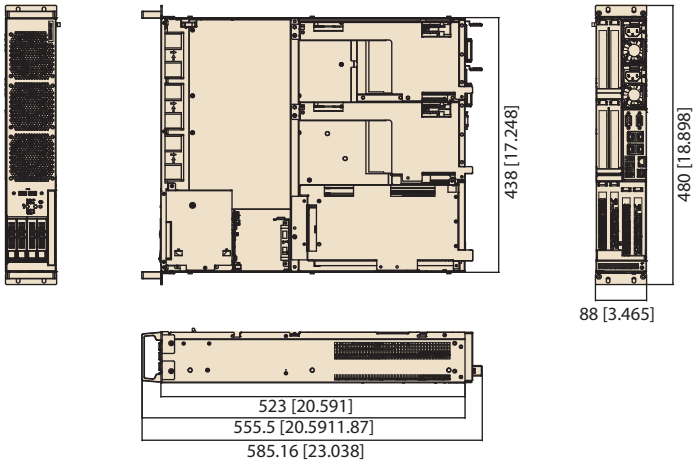
Specifications

Processor System	Socket	Intel LGA 4677	
	CPU Type	5th/4th Gen Intel Xeon Scalable Processors (TDP up to 270W)	
	Chipset	Intel C741 Chipset	
Memory	Total Slots	16 (2 DIMM Per Channel)	
	Capacity	4TB	
	Memory Type	5200/4800/4400/4000MHz RDIMM	
Graphics	Controller	Aspeed AST2600	
	VRAM	64MB	
Expansion Slot	Riser Cage-1*Note	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" SAS/SATA	4	
	2.5" NVMe	2 support VROC (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	
Rear I/O Interface	USB	2 x USB3.2	
	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 Since 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	

*Note: 10.5" L RTX Ada series is NOT able to support

All product specifications are subject to change without notice.

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 270W	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

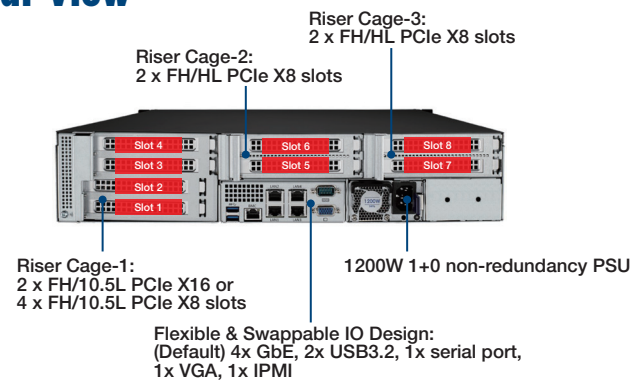
System Contents

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

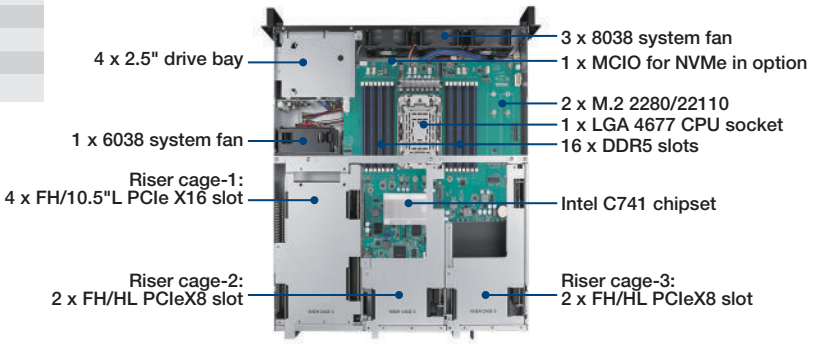
Optional Accessories

Items	Advantech P/N	Quantity
20" ~ 22" Slide Rail Kit	968DE00012	1
2-Port NVMe Drive Kit	98R26240000	1
LGA4677 CPU Cooler for 2U Chassis	1970005860N000	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
GPU Power Cable for GPU Card with CPU 8P to 16P Power Connector	1700035589-01	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

Rear View



Inner View



Front View

