

HPC-6240 ASMB-622

2U 20" Short-Depth Edge Accelerator Server with Dual Intel® 3rd Gen Xeon® Scalable Processors, Supporting 8 Expansion Slots



Features

- Dual Intel® 3rd Gen Xeon® scalable processors
- DDR4 3200MHz RDIMM up to 1TB, support Intel optane persistent memory
- Four PCIe x16 slots support FH/10.5" L cards*
- Four PCIe X8 slots support FH/HL cards
- Four 2.5" hot-swappable SASII/SATAIII drive bays (Two can be NVMe in option)
- One onboard M.2 2280 B+M key
- 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

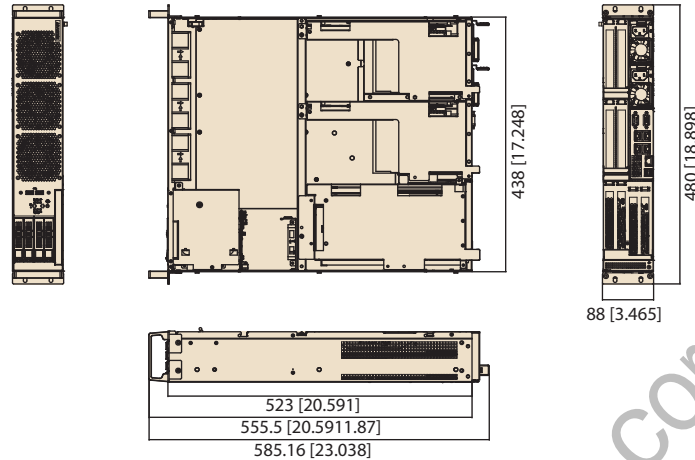
Specifications

| | | |
|--------------------------|---------------------------|--|
| Processor System | Socket | Intel LGA 4189 |
| | CPU Type | 3rd Gen Intel Xeon Scalable processors (TDP up to 160W) |
| | Chipset | Intel C621A chipset |
| Memory | Total slots | 16 (1 DIMM per channel) |
| | Capacity | Maximum 1TB ECC RDIMM |
| | Memory type | DDR4 2666/2933/3200MHz RDIMM |
| Graphics | Controller | Aspeed AST2500 |
| | VRAM | DDR4 4Gb |
| Expansion Slot | RISER CAGE-1 | SLOT1: FH/10.5" PCIe X16 slot (Gen4 X16 link) SLOT2: FH/10.5" L PCIe X16 slot (Gen4 X16 link) SLOT3: FH/10.5" L PCIe X16 slot (Gen4 X16 link) SLOT4: FH/10.5" L PCIe X16 slot (Gen4 X16 link) |
| | RISER CAGE-2 | SLOT5: FH/HL PCIe X8 slot (Gen4 X8 link) SLOT6: FH/HL PCIe X8 slot (Gen3 X4 link) |
| | RISER CAGE-3 | SLOT7: FH/HL PCIe X8 slot (Gen4 X8 link) SLOT8: FH/HL PCIe X8 slot (Gen4 X8 link) |
| | | |
| Storage | 2.5" (Hot-swap) | |
| | NVMe | 2 support VROC (Gen4 X8 link, in option) |
| | Ultra Slim ODD | 1 |
| | M.2 (2280) | 1 (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 |
| | SlimSAS | 1 |
| | LPC | 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 | Three 80x38 high speed fan for CPU One 60x38 high speed fan for Cards |
| | Air Filter | - |
| Miscellaneous | LED Indicators | Power Status, LAN1-LAN4 Status, System information LED |
| | Remote Management | Advantech Remote Monitoring Utility |
| Environment | Operating Temperature | 0 ~ 40 °C (32 ~ 104 °F) |
| | Non-Operating Temperature | -40 ~ 70 °C (-40 ~ 156 °F) |
| | Humidity | 10 ~ 85% @ 40 °C |
| | Vibration (5 ~ 500 Hz) | 0.3 Grms |
| | 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.) | 8.5kg/10.5kg |

* ECC support please reference to CPU specification

* Some Xeon processors have no graphic support. Please check Intel specification for processor graphics availability

Dimensions



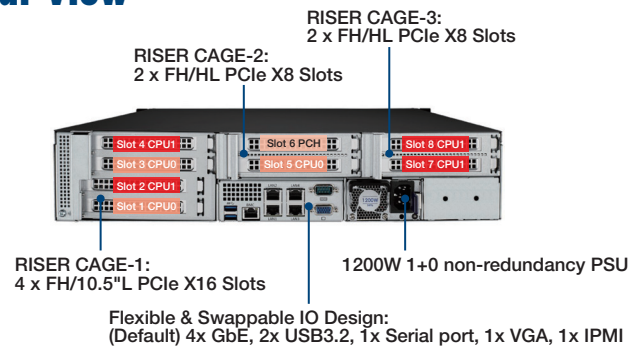
Ordering Information

| Part Number | Compatible Chassis | Memory | Chipset | Network | Graphic |
|---------------|--------------------|---------------------------|------------|--|--|
| ASMB-622-00A1 | HPC-6240 | 16 x DDR4 RDIMM | C621A | 4 x GbE (dedicated NIC) | AST 2500 |
| Part Number | Compatible MB | CPU | CPU Cooler | GPU | Build-in PSU |
| HPC-6240-12ZX | ASMB-62 series | Dual CPU, up to 165W each | - | 1 x 350W with active fan, or 2 x 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 | 2042B62200 | 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 |

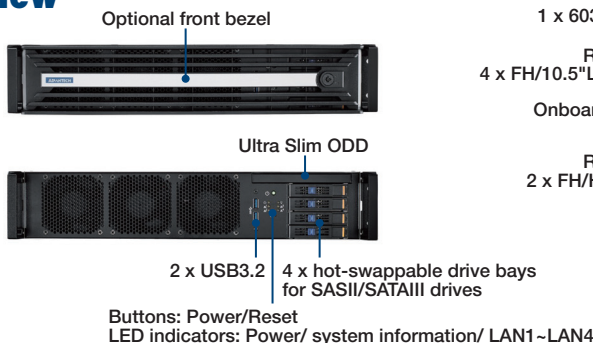
Rear View



Optional Accessories

| Items | Advantech P/N | Quantity |
|--|--------------------|----------|
| 20" ~ 22" Slide Rail kit | S78DE00012 | 1 |
| TPM 2.0 module | PCA7TPM-00B1E | 1 |
| 2-port NVMe drive kit | S9R1310001E | 1 |
| LGA4189 narrow CPU cooler for 2U chassis | 1970004902T000 | 2 |
| 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



Inner View

