

AGS-913

1U Rackmount Intel® Xeon® E5-2600 v3/v4 GPU Server, Supporting 3 x PCIe x16 Double-Depth Cards and 1 x PCIe x8 Single-Depth FH/HL Card



Features

- Processor: Dual Intel® Xeon® E5-2600 v3/v4 series, up to 20 cores / 40 threads
- Memory: DDR4 1600/1866/2133 MHz ECC-REG type up to 256GB
- Remote Management: IPMI function support
- Expansion: Supporting 3 * PCIe x16 double-deck cards + 1* PCIe x8 single-deck FH/HL card
- PSU: 1100W 1+1 redundant power supply with 80 PLUS Platinum level certification



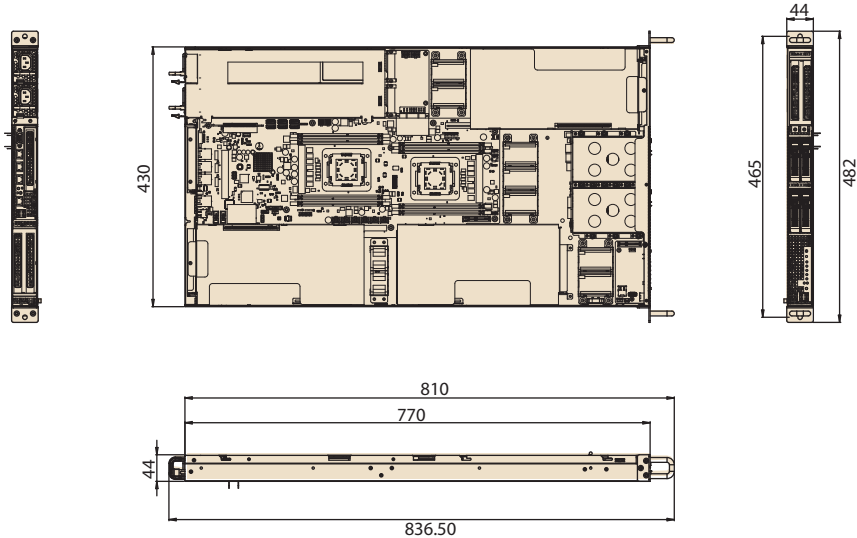
Specifications

| | | | |
|---------------------|-------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------|
| Processor System | Chipset | Intel C612 Chipset | |
| | CPU | Dual Intel LGA2011 Xeon E5-2600 v3/v4 processor (up to 135W TDP) | |
| | L2 Cache | Up to 30 MB | |
| | Memory | 8 x DDR4 1600/1866/2133 ECC-REG DIMM, up to 256GB | |
| Graphics | Controller | Aspeed AST2400 | |
| | VRAM | 64 MB | |
| Expansion Slot | Slot location 1 (Upper Middle slot) | PCIe x 8 slot (Gen3 x8 link) for FH/HL expansion cards | |
| | Slot location 2 (Lower Right slot) | PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards | |
| | Slot location 3 (Upper Left slot) | PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards | |
| | Slot location 4 | - | |
| | Slot location 5 | - | |
| | Slot location 6 (Lower Left slot) | PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards | |
| Drive Bay | 2.5" (Hot-swap) | 4 | |
| | 3.5" (Front Accessible) | - | |
| | 3.5" Internal | - | |
| Ethernet | Interface | 4 x 10/100/1000 Mbps Gigabit Ethernet | |
| | Controller | 4 x Intel I210AT | |
| Front I/O Interface | USB | 2 x USB2.0 | |
| | PS/2 | - | |
| Rear I/O Interface | COM | - | |
| | Display | 1 x VGA | |
| | RJ-45 | 4 (1 is sharing NIC for IPMI) | |
| | Type-A USB | 1 | |
| | COM | 2 | |
| Internal connector | LPC | 1 | |
| | Output | Interrupt, system reset | |
| Watchdog Timer | Interval | Programmable, 1~255 sec | |
| | Power Output Wattage | 80 PLUS Platinum 1+1 redundant Power Supply 900W @ 100 ~ 120V 1100W @ 200 ~ 240V | |
| | Input Range | AC 100 ~ 240 V | |
| Cooling | Chassis Fan | 7 x 40 x 56 + 2 x 40 x 28 high speed fan | |
| | Air Filter | - | |
| Miscellaneous | LED Indicators | Power status, HDD activity, LAN status, location, error message | |
| | Remote Management | Advantech Remote Monitoring Utility | |
| Environment | Temperature | Operating 0 ~ 35 °C (32 ~ 85 °F) *0 ~ 30 °C (32 ~ 85.9 °F) for nVidia tesla P100 | Non-Operating -20 ~ 60 °C (-4 ~ 140 °F) |
| | Humidity | 10 ~ 85% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration (5 ~ 500 Hz) | 0.5 Grms | 2 G |
| | Shock | 10G (with 11ms duration, half sine wave) | 30G |
| | Physical Characteristics | Dimension (W x H x D) | 430 x 44 x 770 mm (16.9" x 1.7" x 30.3") |

Note1: operating temperature qualified AGS-913 max 2 GPU cards by nVidia certification.

Dimensions

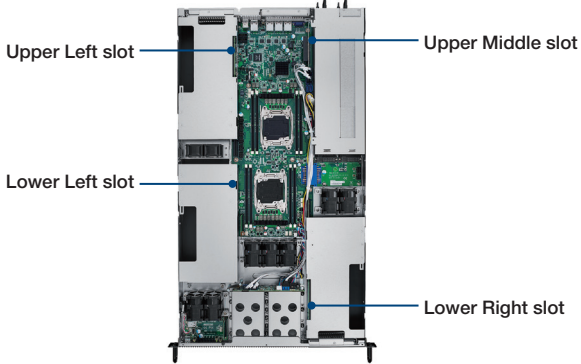
Unit: mm [inch]



Front View



Inside View



Rear View



Note1: nVidia qualified AGS-913 max 2 of GPU slots on lower left slot & lower right slot

Ordering Information

| Part Number | HDD | VGA Chip | RJ45 | IPMI | Power supply |
|-----------------|-----|----------|------|------|---------------|
| AGS-913I-R11A1E | 4 | AST 2400 | 4 | YES | 1+1 1100W RPS |

System Contents

| Items | Advantech P/N | Quantity |
|--------------------------------------------------------------|----------------|----------|
| CPU0 heatsink | 1960065593N001 | 1 |
| CPU1 heatsink | 1960065591N001 | 1 |
| Slide rail kit | 9680015703 | 1 |
| Power cable for expansion card (Pre-assembled in the system) | 1700023022-01 | 6 |
| Driver CD | 2061S91301 | 1 |
| Startup manual | 2001S91310 | 1 |

Optional Accessories

| Part Number | Description |
|---------------|----------------------------------------------|
| 1700026210-01 | SATA Power cable for nVidia GPU card (20 cm) |

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