

SKY-8260S

Compact 2U Carrier Grade, High Performance Server based on AMD EPYC™ 7003/7002 Series Processors



Features

- 2U 20.4" deep rackmount server
- Single AMD EPYC™ 7003/7002 Series Processors
- 16 x DIMM sockets DDR4 3200 MHz DDR4 (ECC/RDIMM/LRDIMM)
- 4 x FH/FL PCIe x16 Gen4 + 2 low profile x8 slots, or 2 x FH|FL PCIe 4.0 x16 slots + 2 x FH/FL PCIe 4.0 x8 slots + 2 x FH|HL PCIe 4.0 x8 slots + 2 x LP x8 slots
- 4 x 2.5" SATA SSD drives or 2 x 2.5" SATA SSD + 2 x NVMe U.2 SSD
- 2 x M.2 2280 SATA/PCIe SSD
- IPMI 2.0-compliant management with reliability and security enhancements



Introduction

The SKY-8260S is designed and optimized to meet the high availability and for business-critical use cases. It is equipped with AMD EPYC™ 7003/7002 Series Processor, which not only upgrades the total core counts per each consumed power watt, but also provides a high performance and highly reliable platform for network edge and virtualization applications.

In the compute-intensive cloud or edge-computing use cases, increasing network performance, agility, and faster provisioning of applications and resources are essential. By pairing with multiple Network Interface Cards or Acceleration Cards (e.g. FPGA or GPU card), SKY-8260S offers a stable carrier-grade service of network and computing acceleration. Powered by AMD EPYC 7002/7003 processor and the highly flexible PCIe and IO expansion capability, SKY-8260S can also be applied in enterprise private network infrastructure, science calculation, and specific mission-critical application platform.

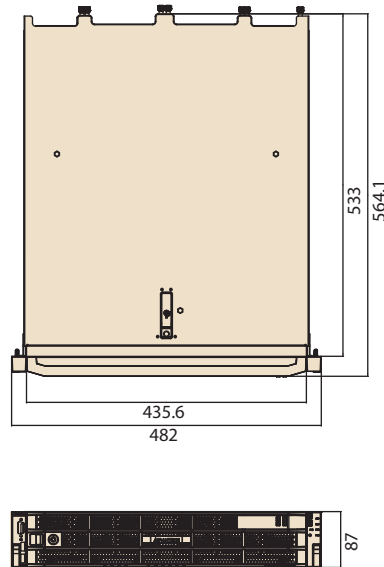
SKY-8260S is also designed to accommodate a wider range of temperature, dust, and humidity in order to deal with the application system running in any harsh environmental conditions. Redundant and field-replaceable PSU, Fan modules, and Management firmware minimize costly downtime, service interruptions, and onsite interventions.

Specifications

| | | | |
|-------------------|---------------------------------------|---|---|
| Processor System | CPU | Single AMD EPYC™ 7003/7002 Series Processors, 32 cores, 180W | |
| Memory | Technology | Up to 16x 3200MHz DDR4 ECC Standard ECC RDIMM/LRDIMM | |
| | Max Capacity | Max capacity per DIMM: 64GB Max total capacity per system: 1024GB | |
| | Socket | 16 x 288-pin DIMM | |
| PCIe | Expansion slot | 1) 4 x FH/FL PCIe x16 Gen4 + 2 x LP 4.0 x8 2) 2 x FH/FL PCIe 4.0 x16 slots + 2 x FH/FL PCIe 4.0 x8 slots + 2 x FH HL PCIe 4.0 x8 slots + 2 x LP 4.0 x8 | |
| IO | Front IO | 1 x USB3.0 (upper port), 1 x USB2.0 (lower port), VGA port, PWR, Status, ALARM LEDs | |
| | Rear IO | 2 x GbE LAN RJ45, 1 x Management port,1 x VGA, 2 x USB3.0, 1 x Console port 1 x OCP3.0 (PCIe Gen4 x16) module slot | |
| Ethernet | Management Interface | 10/100/1000 Mbps | |
| | 10/25GbE Ethernet | Via OCP3.0 module | |
| | Controller | GbE LAN: Intel i210-AT support | |
| | Connector | 2 x RJ-45 | |
| Storage | SKY-8260S SKU | Internal: 2 x 2.5" SATA SSD Rear: 2 x 2.5" SATA/PCIe SSD Internal (on-board) : 2 x 2280 M.2 (SATA3/ PCIe) | |
| Power | Input | 1200W AC/ 800W DC PSU AC: 100 - 240V _{AC} , 12-10A, 50-60Hz DC: -40 - -60V _{DC} , 25.2-16.8A | |
| | Output Current Rating | AC: 1200W, Max: +12V/80.5A, +12Vsb/3A, per PSU DC: 800W, Max: +12V/65A, +12Vsb/2.1A, per PSU | |
| Environment | Temperature | Operating -5 ~ 40 °C (23 ~ 104 °F) | Non-operating -40 ~ 70 °C (-40 ~ 158 °F) |
| | Humidity | 50% @ 25 °C to 95% @ 40 °C (non-condensing) 95% @ 60 °C (non-condensing) | |
| Cooling | Chassis Fan | 6 x high speed fans (N+1 redundant) | |
| | Thermal Control | Two separate thermal zones for motherboard and Full Length (FL) PCIe cards | |
| | Reliability | Resilient to single fan failure | |
| | Air Filter | Yes (Optional) | |
| System Management | IPMI | Aspeed AST2500 BMC with Advantech System Management Solution Advanced Lights Out Management compliant to IPMI2.0 with security and availability enhancements Redfish API support iKVM and Support Advantech Web GUI style Node Manager Configurable shared or dedicated NIC support | |
| Physical | Dimension (W x D x H) Weight (N.W) | 436 x 533 x 87 mm (17.19" x 20.9" x 3.48") ~18kg | |

Dimensions

Unit: mm [inch]



Front View



Rear View



Ordering Information

| Part number | Description |
|-------------------|--|
| SKY-8260SAS-A0000 | SKY-8260S Barebone 2U server with single AMD EPYC™ 7003/7002 Series CPU socket, 4x 2.5" SATA SSD drives, AC 1200W PSU, 4 x FH/FL PCIe Gen4 x16 slots, 2 x LP PCIe Gen4 x8 slots |
| SKY-8260SAS-D0000 | SKY-8260S Barebone 2U server with single AMD EPYC™ 7003/7002 Series CPU socket, 4x 2.5" SATA SSD drives, DC 800W PSU, 4 x FH/FL PCIe Gen4 x16 slots, 2 x LP PCIe Gen4 x8 slots |

Peripherals

| Part Number | Description |
|------------------|---|
| SKY-8132S-SLR900 | SKY-8132S and SKY-8232D Slide Rail for 900mm Rack |
| SKY-8132S-SLR600 | SKY-8132S and SKY-8232D Slide Rail for 600mm Rack |
| SKY-8232D-PSUACE | AC PSU for SKY-8232D (Same PSU with SKY-8232D) |
| SKY-8232D-PSUDCE | DC PSU for SKY-8232D (Same PSU with SKY-8232D) |
| 1702002600-02 | Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D |
| 1702002605-02 | Power Cord 3P European 10A/16A 250V 1.83M 90D |
| 1700000237-01 | Power Cord 3P PSE 12A 125V 1.83M Japan |