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 EPYCTM 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 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.
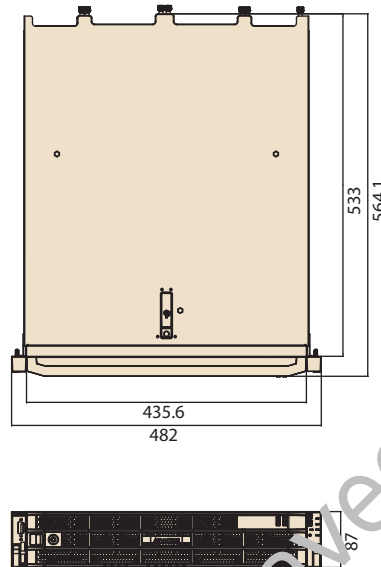
SKY-8260S is also designed to accommodate a wider range of temperature, dust, and humidity in order to deal with the application system running in any harsh environmental conditions. Redundant and field-replaceable PSU, Fan modules, and Management firmware minimize costly downtime, service interruptions, 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		Operating / Non-operating
	Temperature	-5 ~ 40 °C (23 ~ 104 °F) / -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)	436 x 533 x 87 mm (17.19" x 20.9" x 3.48")
	Weight (N.W)	~18kg

Dimensions

Unit: mm [inch]

533
564.1
435.6
482
87

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