

# SKY-9236SU

## 2U4N Rackmount Server, Designed for Hyper-Converged and Storage Applications

OEM Business Only



### Features

- Up to 4 hot-swappable CPU node boards with single Intel® Xeon® scalable processor
- Up to 8 DDR5 6400MHz RDIMM sockets (per node)
- Flexible I/O configuration with up to 2 x PCIe Gen5 x16 slots (half length, low profile) (per node) (depends on SKU)
- Supports 1 x PCIe Gen5 x16 OCP 3.0 mezzanine card (per node)
- Redundant M.2 storage devices & optional one E3.S SSD slot (per node)
- Up to 24 x 2.5" NVMe SSD storage slots
- Hot swappable and redundant AC PSU options
- Redundant FW images (Advantech BIOS and BMC)
- Onboard BMC (IPMIv2.0 compliant) with web Interface, KVM, and Redfish



### Introduction

Advantech SKY-9236SU is a 2U4N rackmount server, designed for hyper-converged Infrastructure and storage applications. The design creates the flexibility to set up different workloads independently and with shared infrastructure, like cooling and power supply, the total cost of ownership (TCO) is lower than four regular 1U servers. The SKY-9236SU is designed with a single Intel® Xeon® scalable processors (code name: Granite Rapids) and the latest DDR5 memory technology. Implementing the modularization design concept, there is one OCP mezzanine slot and up to two PCIe slots per node, providing various I/O options to optimize the system flexibility. In addition, the option of a E3.S NVMe SSD hybrid node design can use a cache/tiering/meta-data function to improve the storage system's performance. The redundant (dual-rotor) and hot-swappable fan option also enhances product stability and serviceability compared to a single fan design.

### Specifications

#### System (Model name: SKY-9236SU)

Physical Characteristics	Form Factor	2U rackmount
	Dimension (W x H x D)	438 x 87.5 x 810 mm
	Motherboard	4 x hot-swappable MIC-8340 CPU nodes
	Net Weight	30 kg
Front Panel	Buttons	Power button UID button
	LED	Power status LED (integrated in power button) HDD activity/status LED Network activity LEDs UID LED (integrated in UID button) Information LED
Front External Drive Bay	Type/Quantity	24 x hot-swappable 2.5" U.2 NVMe SSD trays (6 x SSD trays per node)
	Interface	PCIe Gen5 x4
System Cooling	Fan	4 x 8 cm (8076) hot-swappable dual-rotor PWM fans with fan speed control
Power Supply*	Type/Quantity	2 x redundant (1+1) PSU with PMBus
	Input Range	AC capability (200 - 264Vac)
	Efficiency	80 Plus Titanium
	Output Watts	2600W
Operating Environment	Operating Temperature / Humidity	5 ~ 35°C (41 ~ 95°F) / 5% to 95% @ 35°C (non-condensing)
	Non-operating Temperature/ Humidity	-40 ~ 60°C / 5% to 95% @ 60°C (non-condensing)
Regulation	CE/FCC	Class A
	UL/cUL/CB	Class A
RoHS	RoHS 6/6 Compliant	Yes

## Mainboard for CPU Node (Model name: MIC-8330)

Processor	Supported CPU Series	Single Intel® Xeon® 6 Scalable Processors (FCLGA4710 socket)
	Thermal Design Power (TDP)	Up to 205W <sup>*1</sup>
Memory	Support DIMM Quantity	8 x DIMM slots
	DIMM Type/Speed	DDR5 ECC RDIMM up to 6400MHz
	Capacity	Up to 2TB ECC RDIMM per node <sup>*1</sup>
	Memory Channel	8 channels
I/O	PCIe Slots	SKU A: 1 x PCIe Gen5 x16 (half height, half length) SKU B: 2 x PCIe Gen5 x16 (half height, half length)
	OCP3.0 Mezzanine Slot	1 x PCIe Gen5 x16
	Console Port	Micro USB
	Management Port	1x RJ-45 connector
	Display	Mini DisplayPort
	USB	1 x USB 3.0 Type-A
Node Storage	E3.S Device	SKU A: PCIe Gen5 x4 SSD, E3.S 1T
	M.2 Device	2 PCIe Gen5 x4 M.2, 1 x 22110 / 1 x 2280
TPM	TPM module	On-board TPM 2.0
Server Management	Solution	Onboard ASPEED AST2600 IPMI 2.0 based on Advantech IPMI Core
BIOS	Solution	Redundant AMI 32MB SPI Flash

\*1. Depends on the system configuration.

\*2. Please contact your local Advantech sales representative for other SKU demands

## Ordering Information

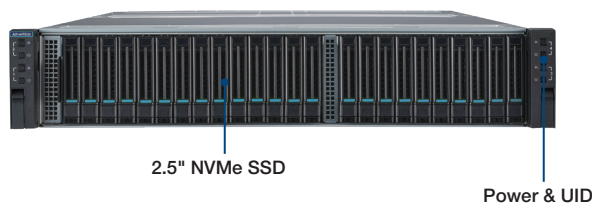
Part Number	Description
SKY-9236SU-L6A00	SKY-9236SU Barebone, 4 x MIC-8340 CPU nodes, 2 x AC 2600W slim PSUs, 24 x 2.5" NVMe SSD trays

## Optional Accessories

Part Number	Description
SKY-9234S3-SLR	SKY-9234S Slide Rail
SKY-9234SU-PSU01	SKY-9234SU 2600W AC slim PSU

NOTE: Please contact your local Advantech sales representative for more information of system configurations.

## Front View



## Rear View

