

SKY-721E3

2U High Performance Rackmount Server with dual AMD EPYC 9005/9004 processors



Features

- Support all AMD EPYC 9005/9004 family processors up to 400W TDP
- Up to 12 bays 3.5" SAS/SATA or 24 bays 2.5" hot-swap SATA/SAS/NVMe drives support
- 24x DDR5 6000MHz RDIMM/3DS RDIMM
- Up to 4 FHFL, 2 FHHL and 2 Low Profile PCIe Gen5
- 2 x M.2 2280 NVMe SSD support, rear 2 x 2.5" SATA/SAS/NVMe drive support
- 1 OCP 3.0 PCIe Gen5 x16 NIC support
- Support optional front bezel



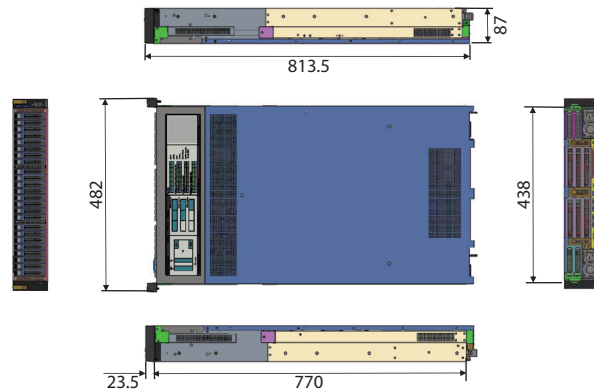
Specifications

System P/N		SKY-721E3-S12R	SKY-721E3-T24R
Processor	Family	AMD® EPYC™ Embedded 9005/9004 Series Server Processors	AMD® EPYC™ Embedded 9005/9004 Series Server Processors
	Number	2	2
	Cores	Up to 128 cores	Up to 128 cores
	Cache	L3 Cache (up to 256M/CPU)	L3 Cache (up to 256M/CPU)
	Speed	Up to 4.1GHz	Up to 4.1GHz
Memory	Max TDP	400W	400W
	Type	DDR5 6000MHz RDIMM/3DS RDIMM	DDR5 6000MHz RDIMM/3DS RDIMM
	Slots	24	24
	Capacity	Up to 96GB RDIMM/slot Up to 256GB 3DS RDIMM/slot	Up to 96GB RDIMM/slot Up to 256GB 3DS RDIMM/slot
Storage	2.5" HDD/SSD (Rear)	2 (rear-optional)	2 (rear-NVMe)
	3.5" HDD	12 (front-SATA/SAS)	N/A
	M.2 SSD	2 (NVMe)	2 (NVMe)
	2.5" HDD/SSD	N/A	24 (max 12 NVMe support)
Expansion Slots		[SKU 1] 2 FHFL PCIe 5.0 x16 2 FHFL PCIe 5.0 x8 2 FHHL PCIe 5.0 x8 2 Low Profile PCIe 5.0 x8 1 OCP 3.0 PCIe 5.0 x16 2 Low Profile PCIe 5.0 x8 (Optional)	[SKU 1] 2 FHFL PCIe 5.0 x16 2 FHFL PCIe 5.0 x8 2 FHHL PCIe 5.0 x8 2 Low Profile PCIe 5.0 x8 1 OCP3.0 PCIe 5.0 x16 2 Low Profile PCIe 5.0 x8 (Optional)
		[SKU 2] 2 FHFL double-slots PCIe 5.0 x16 2 FHHL PCIe 5.0 x8 2 Low Profile PCIe 5.0 x8 1 OCP3.0 PCIe 5.0 x16 2 Low Profile PCIe 5.0 x8 (Optional)	[SKU 2] 2 FHFL double-slots PCIe 5.0 x16 2 FHHL PCIe 5.0 x8 2 Low Profile PCIe 5.0 x8 1 OCP3.0 PCIe 5.0 x16 2 Low Profile PCIe 5.0 x8 (Optional)
I/O & Ports	Network Interfaces	2 GbE RJ45 (1 GbE RJ-45 Mgmt Share NIC) 2 10GbE RJ45	2 GbE RJ45 (1 GbE RJ-45 Mgmt Share NIC) 2 10GbE RJ45
	USB	Front : 1 USB3.0, 1 USB2.0 Rear : 2 USB3.0	Front : 1 USB3.0, 1 USB2.0 Rear : 2 USB3.0
	LED Indicator	1 Power status 1 System status 1 HD activity 1 Network activity 1 System UID	1 Power status 1 System status 1 HD activity 1 Network activity 1 System UID
	Video	1 D-sub (Front), 1 D-sub (Rear)	1 D-sub (Front), 1 D-sub (Rear)
	Others	1 Serial console port (RJ-45)	1 Serial console port (RJ-45)
	Type	CRPS	CRPS
	Power Rating	2000W red. AC PSU	2000W red. AC PSU
System Cooling		4 system FAN with smart FAN control	4 system FAN with smart FAN control
Mechanical	Form Factor	2U12	2U24
	Dimensions (W x H x D) mm	438 x 87 x 770 mm	438 x 87 x 770 mm
	Weight (KG)	25 kg	25 kg
System Management		Aspeed AST2600 Advanced Lights Out Management compliant to IPMI2.0 and Redfish with security and availability enhancements iKVM Support Configurable shared or dedicated NIC support	Aspeed AST2600 Advanced Lights Out Management compliant to IPMI2.0 and Redfish with security and availability enhancements iKVM Support Configurable shared or dedicated NIC support
Supported OS		Linux (CentOS, Red Hat, Ubuntu), Windows server	Linux (CentOS, Red Hat, Ubuntu), Windows server
Environment	Humidity Operational (non-condensing)	5% to 85%	5% to 85%
	Operational Temperature	0 °C (32 °F) to 35 °C (104 °F)	0 °C (32 °F) to 35 °C (104 °F)
	Storage Temperature	-40 °C (-40 °F) to 70 °C (158 °F)	-40 °C (-40 °F) to 70 °C (158 °F)
Certification		CE/FCC/CB/UL	CE/FCC/CB/UL

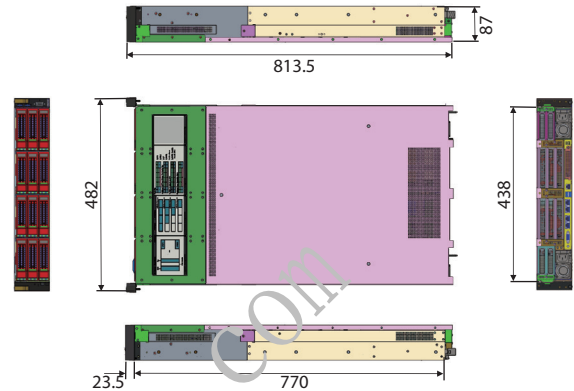
Dimensions

Unit: mm

SKY-721E3-T24R



SKY-721E3-S12R



Front View

SKY-721E3-T24R



SKY-721E3-S12R



Rear View

SKY-721E3-T24R



SKY-721E3-S12R



Ordering Information

PN	CPU	Memory	PCIe Slots	Storage	I/O	PSU
SKY-721E3-S12R	Dual socket, AMD EPYC 9005/9004 family processors	24 DIMM Slots	2 FHFL PCIe 5.0 x 16 2 FHFL PCIe 5.0 x 8 2 FHHL PCIe 5.0 x 8 2 Low Profile PCIe 5.0 x 8 1 OCP3.0 PCIe 5.0 x 16	12 3.5" SAS/SATA 2 2.5" NVMe (rear-optional)	2 GbE RJ45 (1 GbE RJ45 Mgmt Share NIC) 2 10GbE RJ45 1 USB3.0, 1 USB2.0 (front) 2 USB3.0 (rear) 1 VGA D-sub (Front) 1 VGA D-sub (Rear) 1 Serial Console port (RJ45)	Redundant 1+1 CRPS 2000W
SKY-721E3-T24R	Dual socket, AMD EPYC 9005/9004 family processors	24 DIMM Slots	2 FHFL PCIe 5.0 x 16 2 FHFL PCIe 5.0 x 8 2 FHHL PCIe 5.0 x 8 2 Low Profile PCIe 5.0 x 8 1 OCP3.0 PCIe 5.0 x 16	24 2.5" SATA/SAS/NVMe (8 NVMe/16SATA/SAS) 2 2.5" NVMe (rear)	2 GbE RJ45 (1 GbE RJ45 Mgmt Share NIC) 2 10GbE RJ45 1 USB3.0, 1 USB2.0 (front) 2 USB3.0 (rear) 1 VGA D-sub (Front) 1 VGA D-sub (Rear) 1 Serial Console port (RJ45)	Redundant 1+1 CRPS 2000W

Packing List

Part no.	Description
1970005850T001	2U Standard CPU Heatsink

Optional Accessories

Part no.	Description
1970005835T001	2U EVAC CPU Heatsink (for high TDP)
1702002600	Power cord 3P 180 cm, USA
1702002605	Power cord 3P 180 cm, Europe
1700000237	Power cord 3P 180 cm, JP
1700009652	Power cord 3P 180 cm, China
1700027969-01	Power cable for GPU card
968DE00079	2U SKY-7 Slide rail
96PSRM-A1K2WCRPA	CRPS Module A/D 100-240V 1200W 80+ Platinum