

SKY-641E3

4U Edge Optimized GPU Server with Dual AMD EPYC 9004/9005 Processors



Features

- Support all AMD EPYC 9004/9005 family CPU up to 400W TDP
- 24x DDR5 5600MHz RDIMM, support up to 3TB
- PCIe Switch Backplane as 2nd floor, support 10*PCIe Gen4 x16 slot + 2*PCIe Gen5 x8 slot
- Support 8*2.5" U.2 NVME SSD (Hot-swappable) and 2*M.2 2280 NVME SSD
- Support 1*OCP3.0 PCIe Gen5x16 NIC card

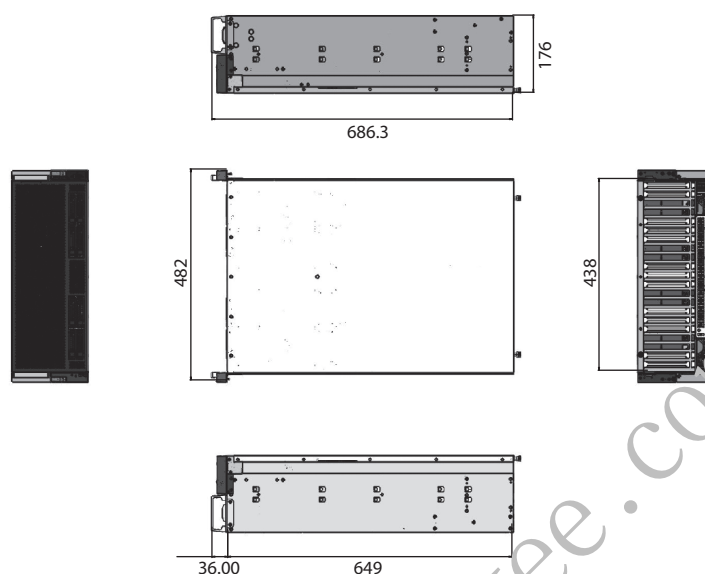


Specifications

System P/N	SKY-641E3	
Processor	Family	AMD EPYC 9004/9005 family processors
	Number	2
	Cores	Up to 160 cores per socket
	Cache	L3 Cache (up to 256M CPU)
	Speed	Up to 4.1GHz
	Max TDP	400W
Memory	Type	DDR5 5600MHz RDIMM
	Slots	24
	Capacity	Up to 128GB RDIMM/slot Total Up to 3TB
Storage	2.5" (Hot Swap)	8 (U.2 NVME)
	M.2 2280	2 (NVMe)
Expansion Slots	10 FHFL PCIe 4.0 x 16 (up to 4 double width GPU, max 350W/ea TDP) 2 FHFL PCIe 5.0 x 8 1 OCP 3.0 PCIe x 16 slot	
I/O & Ports	Network Interfaces	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
	LED Indicator	1 Power status
		1 System status
		1 HD activity
	Video	1 Network activity
1 System UID		
Others	1 D-sub (Front), 1 D-sub (Rear)	
	1 Serial console port (RJ-45)	
Power Supplies	Type	CRPS 1+1 Redundancy
	Power Rating	2700W red. AC PSU
System Cooling	8 System Fans with Smart Fan Control	
Mechanical	Form Factor	4U
	Dimensions (W x H x D) mm	438 x 88 x 650 mm
	Weight (KG)	30 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	
Supported OS	Linux (CentOS, Red Hat, Ubuntu), Windows server	
Environment	Humidity Operational (non-condensing)	5% to 85%
	Operational Temperature	0 °C (32 °F) to 35 °C (104 °F)
	Storage Temperature	-40 °C (-40 °F) to 70 °C (158 °F)
Certification	CE/FCC/CB/UL	

Dimensions

Unit: mm



Ordering Information

Part Number	CPU	Memory	Storage	PCIe Slots	PSU
SKY-641E3-N08R27A1	Dual socket, AMD EPYC 9004/ 9005 family processors (CPU TDP up to 400W)	24x DIMM slots DDR5 6400MHz RDIMM / LRDIMM	8x U.2 NVMe SSD 2x M.2 2280 NVMe SSD	10x FHFL PCIe 4.0 x 16 2x FHFL PCIe 5.0 x 8 1x OCP3.0 PCIe 5.0 x16	Redundant 1+1 CRPS 2700W

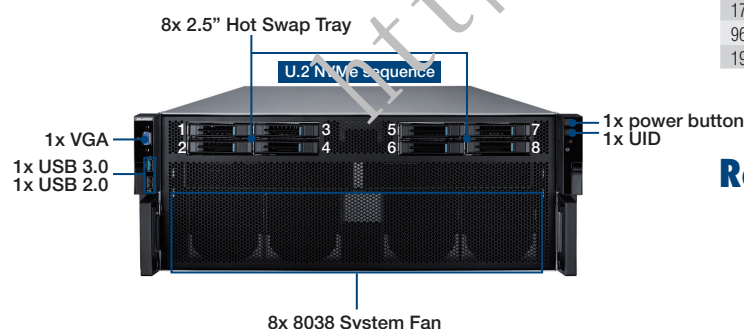
Packing List

Part no.	Description	Qty
1970005850T001	AMD EPYC SP5 CPU heatsink	2

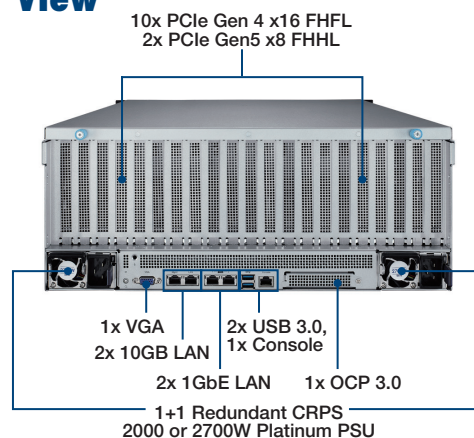
Optional Accessories

Part no.	Description
1700021723-02	UL Power Cord (125V,15A)
1700033943-01	BSMI Power Cord (125V,15A)
1700023533-01	EU Power Cord (250V,10A)
1700023534-01	UK Power cord
1700035523-01	GPU power cable with 12VHPWR connector
9680017375	Rail
1970005835T001	AMD EPYC SP5 heatsink for 400W CPU

Front View



Rear View



Top View

