



IP-IR-642-GK

KEY HIGHLIGHTS

- ▶ 2U Rackmount with 1+1, 80-PLUS Platinum, 1600W CRPS
- ▶ Intel® Xeon® Gold 64000/65000 Series processor
- ▶ 24 DIMM slots supports DDR5 RDIMM, RDIMM-3DS
- ▶ 24 hot-swap 2.5" SATA/SAS
- ▶ Support 2 x M.2 Connector (PCIe Gen3), support 2280
- ▶ 6x PWM 60x56 mm fans
- ▶ Support 1 x OCP3 Gen5 x8 (CPU0) - Support 1 x OCP3 Gen5 x16 (CPU1)
- ▶ 1 RJ45(1GbE) for BMC Management





SPECIFICATIONS

System	
Form Factor	2U Rackmount
Dimensions	770.0 X 438.0 X 87.0 mm (30.3" x 17.2" x 3.4")
Support MB	KPSRV242UAE91L
Front Panel	
Buttons	1x Power, 1x Reset, 1x UID
LEDs	1x Power, 1x UID, 1x LAN 1/2, 1x HDD Activity, 1x System status
I/O Ports	1x Type-A (USB3.0), 1x Type-A (USB2.0), 1x D-SUB (VGA)
External Drive Bay / Storage	
Front Side Drive Bay	24 hot-swap 2.5" SATA/SAS
Front Side Backplane	Support SFF 24 x SATA/SAS *(with RAID)
Rear Side Backplane	2.5" 2 x SATA/SAS RAID
Internal Side	Support 2 x M.2 Connector (PCIe Gen3, support 2280 only)
Power Supply	
Type	1+1 Redundant CRPS
Output Watts	1600W
Efficiency	Climate Saver 3 / 80Plus Titanium
System Fan	
Fan	6x PWM 60x56 mm fans
Processor System	
CPU	Intel® Xeon® Gold 64xxx/65xxx processor
Socket	Dual Socket SP5 (LGA 6096)
Thermal Design Power	Up to 360W
Chipset	System on Chip
System Memory	
Supported DIMM Quantity	12+12 DIMM slots (1DPC)
Supported Type	Support DDR5 288-pin RDIMM, RDIMM-3DS
Max. Capacity per DIMM	RDIMM:64GB(2R) (by condition)
Max. DIMM Frequency	4800 MHz
Voltage	1.1V
PCIe Expansion Slots	
Slot 2, Slot 3, Slot 4, Slot6	-Support 2 x FHFL PCIe Gen5 x16 -Support 2 x FHHL PCIe Gen5 x8



SPECIFICATIONS

Ethernet	
Additional GbE Controller	E810-XXVDA2
OCP slot	Support 1 x OCP3 Gen5 x8 (CPU0) - Support 1 x OCP3 Gen5 x16 (CPU1)
Server Management	
BMC Controller	ASPEED AST2600
IPMI Dedicated GLAN	1 Realtek RTL8211F for dedicated management GLAN
Graphics	
Controller	ASPEED AST2600
VRAM	DDR5 256MB
Rear I/O	
UID Button/LED	1x UID button w/ LED
VGA Port	1x MINI DP Port
USB 3.2 Gen1 Port	2x Type-A (USB3.0)
RJ45	1x RJ45(1GbE) for BMC Management
System BIOS	
BIOS Type	AMI UEFI BIOS; 256 Mb SPI Flash ROM
BIOS Features	ACPI 6.4 and above compliance wake up events, SMBIOS 3.5.0 and above, Plug and Play (PnP)
Environment	
Temperature	Operation temperature: 5°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 95% (Non condensing)

APPLICATIONS



Artificial Intelligence



High Performance Computing



Data Centers



Cloud Computing

