



Bharat1 RD285 Gen1



Key Highlights

- 2U Rackmount with 1+1, 80-PLUS Platinum, 1600W CRPS
- Dual AMD EPYC™ 9004 Series Processors (with AMD 3D V-Cache™ Technology)
- 24 DIMM slots supports DDR5 RDIMM, RDIMM-3DS
- 24 hot-swap 2.5" NVMe(PCIe4.0 x4)
- Support 2 x M.2 Connector (PCIe Gen3 x4), support 2280
- 6 PWM Hot-swap 60x56 mm fans
- Support 1 x OCP3 Gen5 x8 (CPU0) -Support 1 x OCP3 Gen5 x16 (CPU1)
- 1 RJ45(1GbE) for BMC Management



| System | |
|------------------------------|---|
| Form Factor | 2U Rackmount |
| Dimensions | 770.0 X 438.0 X 86.4 mm (30.3" x 17.2" x 3.4") |
| Support MB | KPSRV242UAE91L |
| Front Panel | |
| Buttons | Power, Reset, UID |
| LEDs | Power, LAN 1/2, HDD Activity, System status |
| I/O Ports | 1 Type-A (USB3.2 Gen1), 1 Type-A (USB2.0), 1 DB15 (VGA) |
| External Drive Bay / Storage | |
| Front Side Drive Bay | 24 hot-swap 2.5" NVMe(PCIe4.0 x4) |
| Front Side Backplane | 12-port for NVMe(MCIO connector)/6-port for SATA/SAS(Slimsas connector),SAS drive is only supported with RAID or HBA cards. |
| Internal Side | Support 2 x M.2 Connector (PCIe Gen3 x4),support 2280 |
| Power Supply | |
| Type | 1+1 CRPS |
| Output Watts | 1600W |
| Efficiency | 80-PLUS Platinum |
| System Fan | |
| Fan | 6 PWM Hot-swap 60x56 mm fans |
| Processor System | |
| CPU | Supports AMD EPYC™ 9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors |
| Socket | Dual Socket SP5 (LGA 6096) |
| Thermal Design Power | Up to 400W |
| Chipset | System on Chip |
| System Memory | |
| Supported DIMM Quantity | 12+12 DIMM slots (1DPC) |
| Supported Type | Supports DDR5 288-pin RDIMM, RDIMM-3DS |
| Max. Capacity per DIMM | RDIMM:64GB(2R),RDIMM-3DS: 512GB(2S8Rx4) |
| Max. DIMM Frequency | 4800 MHz |
| Voltage | 1.1V |



| PCIe Expansion Slots (SLOT7 close to CPU) | |
|---|--|
| PCIe x 16 | -Support 2 x FHFL(DW) PCIe Gen5 x16 -Support 2 x FHHL PCIe Gen5 x16 -Support 1 x HHLH PCIe Gen5 x8 |
| Ethernet | |
| Additional GbE Controller | Intel® i350: 2 RJ45 (1GbE) |
| 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 | DDR4 256MB |
| Rear I/O | |
| UID Button/LED | 1 UID button w/ LED |
| VGA Port | 1 MINI DP Port |
| USB 3.2 Gen1 Port | 2 Type-A (USB3.2 Gen1) |
| RJ45 | 1 RJ45(1GbE) for BMC Management |
| System BIOS | |
| BIOS Type | AMI UEFI BIOS; 256 Mb (32MB) 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: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C |
| Humidity | Non operation humidity: 20% ~ 90% (Non condensing) |
| Applications | |

Data Centers

Cloud Computing

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For more queries, please drop in a mail at Info@kalyanimotive.com