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شرکت مهندسی کسرا رایانه آپادانا

GPU · 8U RACKMOUNT

GPU SuperServer SYS-821GE-TNHR

DP Intel 8U System with NVIDIA HGX H100/H200 8-GPU and Rear I/O (onsite service required)



Processor

CPU	2× Intel® Xeon® Platinum 8558 Processor 48-Core 2.10GHz 260MB Cache (330W)
Socket	Dual Socket E (LGA-4677)

Memory

Installed	16× 64GB DDR5 6400MHz ECC RDIMM Server Memory
Slots	16 of 32 slots populated

Storage

NVMe	3.8TB NVMe PCIe4 SSD 2.5" 1DWPD TLC D (SED, 7mm)

GPU

GPU Board	NVIDIA HGX GPU Baseboard 8 H200 141GB

Networking

Network	Supermicro 25-Gigabit CX6 (2 x SFP28) Ethernet Network Adapter

Power Supply

Configuration	6x 3000W Redundant (4 + 2) Titanium Level (96%) power supplies
Input	2880W: 200-207Vac / 50-60Hz; 3000W: 207-240Vac / 50-60Hz; 3000W: 0240Vdc / 50-60Hz (for CQC only)

Warranty & Service

Hardware	3 Years Parts and Labor + 1 Years of Cross Shipment

Platform

Form factor	8U Rackmount | 437 × 355.6 × 843.28mm (W×H×D)
Weight	Gross Weight: 225 lbs (102.1 kg) | Net Weight: 166 lbs (75.3 kg)
Cooling	Up to 10 heavy duty fans with optimal fan speed control
Heatsink	Supports up to 350W TDP CPUs (Air Cooled)

Expansion

Expansion	Default: 8 PCIe 5.0 x16 LP slots; 2 PCIe 5.0 x16 FHHL slots | Option A: 2 PCIe 5.0 x16 FHHL slots
BIOS	AMI 32MB SPI Flash EEPROM
I/O	1 VGA port; 1 TPM header

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پلاک ۶۷ ، طبقه ۸ ، واحد ۱۵ و ۱۶

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Security

Hardware	Silicon Root of Trust (RoT) – NIST 800-193 Compliant
Features	• Cryptographically Signed Firmware • Secure Boot • Secure Firmware Updates • Automatic Firmware Recovery • Supply Chain Security: Remote Attestation • Runtime BMC Protections • System Lockdown

Certifications

Compliance	• ESXi 8.0, Hypervisor 8.2.1, RHEL 8.7, RHEL 9.2, SLES 15 SP4

Management

Power	Power-on mode for AC power recovery; ACPI Power Management
Software	• SuperCloud Composer® (SCC) • Supermicro Server Manager (SSM) • Supermicro Update Manager (SUM) • Supermicro SuperDoctor® 5 (SD5) • Super Diagnostics Offline (SDO) • Supermicro Thin-Agent Service (TAS) • SuperServer Automation Assistant (SAA) New!

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