

MicroCloud SuperServer SYS-531MC-H8TNR

3U 8-Node MicroCloud with single-width GPU support



Key Applications

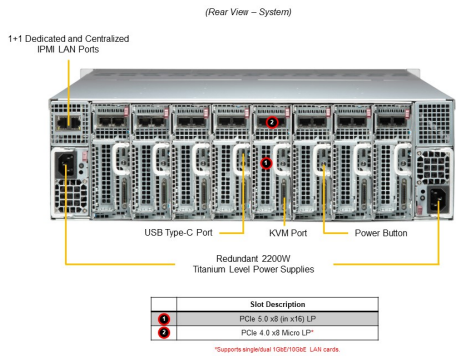
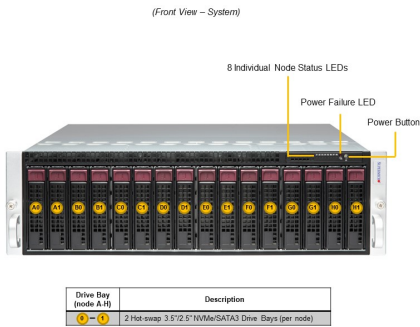
Cloud Computing, Web Hosting, VM, Online Game Server Hosting, IT Infrastructure, Web Cache, Social Networking,

Key Features

- Intel® Xeon® 6300-Series/E-2400/Pentium® G7400 and G7400T Processor Single Socket LGA-1700 (Socket V0) supported, CPU TDP supports Up to 95W TDP;
- Intel® C266;
- 8 set of Up to 128GB ECC UDIMM; DDR5 4400MHz, in 4 DIMM sockets;
- 8 set of PCIe 5.0 x8 (in x16 slot) low profile slot and 8 set of PCIe 4.0 x8 Micro-LP slots;
- 8 set of 2x Front Hot-swappable 3.5" SATA3 HDD or Hybrid 2x 2.5" SAS/SATA3/NVMe U.2 drives w/ option kits;
- 2200W Redundant Titanium Level high-efficiency power supplies;



Form Factor	3U Rackmount Enclosure: 438 x 132 x 589mm (17.26" x 5.21" x 23.2") Package: 667 x 295.91 x 863.6mm (26.26" x 11.65" x 34")
Processor	Single V0 (LGA-1700) Intel® Xeon® 6300-series/E-2400/Pentium® G7400/G7400T processors
GPU	Up to 1 single-width GPU
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 128GB 4400MT/s ECC DDR5 UDIMM
Drive Bays Configuration	Default: Total 2 bays • 2 front hot-swap 3.5" NVMe/SAS/SATA drive bays M.2: 2 M.2 NVMe/SATA slots (M-key 2280/22110)
Expansion Slots	Default • 1 PCIe 5.0 x8 (in x16) LP slot • 1 PCIe 4.0 x8 (in x8) MicroLP slot
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1 support Network Connectivity: No NIC option supported
Input / Output	USB: 1 Type-C port(front) 2 USB 2.0 Type-A ports Video: 1 port TPM: 1 TPM Onboard/port 80



System Cooling	Fans: Up to 4 Heavy Duty 8cm Fan(s) Air Shroud: 8 Air Shrouds
Power Supply	2x 2200W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
Management	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!
PC Health Monitoring	CPU: 3-Phase-switching voltage regulator with auto-sense from 0.5V-2.3V Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. Fan: Fan speed control, Dual Cooling Zone Temperature: Monitoring for CPU and chassis environment
Dimensions and Weight	Weight: Gross Weight: 88 lbs (39.92 kg) Net Weight: 62.2 lbs (28.21 kg) Available Color: N/A
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 8% to 95% (non-condensing)
Motherboard	Super X13SCD-F
Chassis	CSE-938NH-R2K20BP2