

MicroCloud SuperServer SYS-530MT-H12TRF

3U 12-Node MicroCloud with 2 internal fixed 3.5" NVMe/SAS drives per node



Key Applications

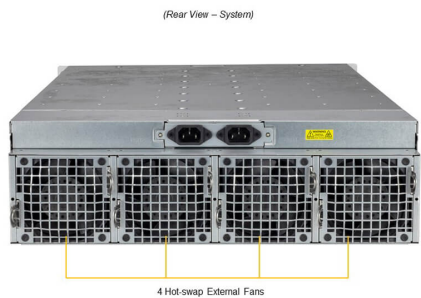
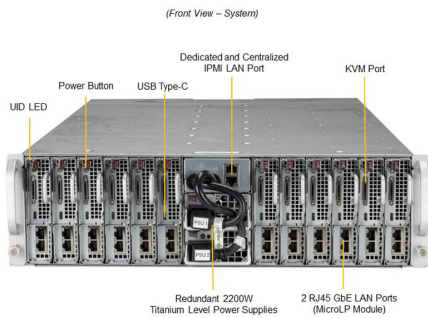
Cloud Computing, Web Hosting, VM, Online Game Server Hosting, IT Infrastructure, Web Cache, Social Networking,

Key Features

- 12 set of Intel® Xeon® E-2300 series and Pentium processor;
- Intel® C256;
- 12 set of Up to 128GB ECC/non ECC Very Low Profile UDIMM; DDR4 3200MHz, in 4 DIMM sockets;
- 12 set of PCIe 4.0 x8 Micro-LP slots (MicroLP upgradable);
- 12 set of Dual 1GbE LAN Ports;
- 12 set of 2x internal 3.5" SATA3 (6Gbps) (or) 4x 2.5" SATA3 drives with 2x Hybrid NVMe U.2; Intel® RSTe RAID;
- 4x 8cm Heavy duty fans with optimal cooling zone;
- 2200W Redundant Titanium Level high-efficiency power supplies with PMBus;



Form Factor	3U Rackmount Enclosure: 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5") Package: 720.09 x 408.94 x 1075.944mm (28.35" x 16.1" x 42.36")
Processor	Single Socket H5 (LGA-1200) Intel® Xeon® processor E-2300 series and 10th Gen. Pentium® Processors Up to 8C/16T; Up to 16MB Cache
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 128GB 3200MT/s ECC DDR4 UDIMM
Drive Bays Configuration	Default: Total 2 bays • 2 internal fixed 3.5" NVMe/SAS drive bays Option A: Total 4 bays • 4 internal fixed 2.5" NVMe/SATA drive bays M.2: 1 M.2 SATA slot (M-key 2280/22110)
Expansion Slots	Default • 1 PCIe 4.0 x8 MicroLP slot
On-Board Devices	SATA: SATA (6Gbps) via Intel® C256; RAID 0/1/5/10 support Chipset: Intel® C256 Network Connectivity: No NIC option supported
Input / Output	LAN: 2 RJ45 1 GbE LAN ports (Intel® I350) USB: 2 USB 2.0 ports 1 Type-C port(front) Video: 1 port DOM: 1 SATA DOM (Disk on Module) port



System Cooling	Fans: Up to 4 Heavy Duty 9cm Fan(s) Air Shroud: 12 Air Shrouds
Power Supply	2x 2200W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 128MB SPI Flash EEPROM
Management	SuperCloud Composer®; 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: 125 lbs (56.7 kg) Net Weight: 95 lbs (43.09 kg) Available Color: Black
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: 5% to 95% (non-condensing)
Motherboard	<u>Super X12STE-F</u>
Chassis	CSE-939HN-R2K20BP