

IoT SuperServer SYS-211SE-31A

X13 SuperEdge 2U3-Node UP front I/O short-depth server



More details here

Key Applications

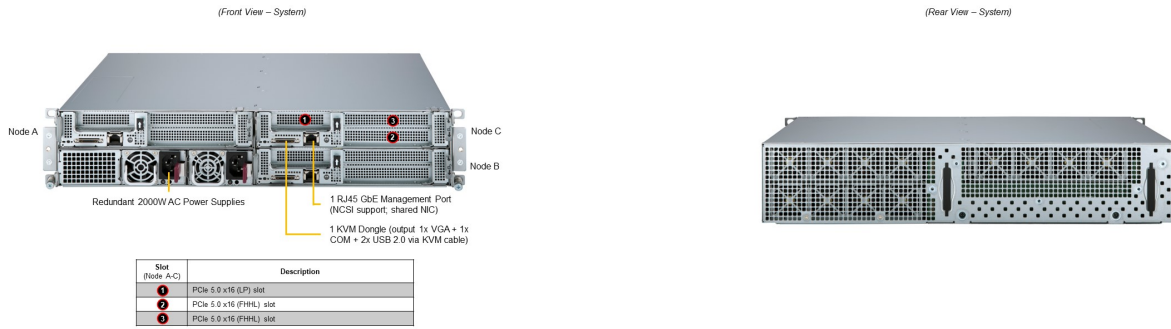
Multi-Access Edge Computing, Flex-RAN, Open-RAN vBBU, Telecom DRAN, CRAN, and Edge Core Application, Enterprise Edge Computing,

Key Features

- Single Socket E (LGA-4677) 5th Gen Intel® Xeon®/4th Gen Intel® Xeon Scalable processors (per node);
- 8 DIMMs; Up to 2TB 3DS ECC DDR5-5600MT/s; RDIMM/LRDIMM (per node);
- 2 PCIe Gen5 x16 FHHL slot and 1 PCIe Gen5 x16 HHHL slot (per node);
- 2 NVMe M.2 2280/22110 (per node);
- 4 counter-rotated fan speed control (per node); 1 Air Shroud (per node);
- Front-access 2000W AC Redundant Power Supplies (per system);
- Three **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;



Form Factor	2U Rackmount Enclosure: 449 x 88 x 430mm (17.7" x 3.5" x 16.9") Package: 750 x 240 x 590mm (29.5" x 9.5" x 23.2")
Processor	Single Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 52C/104T; Up to 97.5MB Cache
System Memory	Slot Count: 8 DIMM slots/1 Channels Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
Drive Bays Configuration	2 M.2 PCIe 5.0 x4 NVMe slot(s) (M-key 2280/22110; VROC required for RAID)
Expansion Slots	Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 HHHL slot(s) • 2 PCIe 5.0 x16 FHHL slot(s)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 1 RJ45 1GbE with Intel® I210-AT IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 1 GbE LAN port(s) (Intel® I210-AT) (IPMI shared on LAN port 1) TPM: 1 TPM header Others: 1 KVM dongle (output 1x VGA/1x COM/2x USB 2.0 via KVM cable) port(s)



System Cooling	Air Shroud: 3 Air Shroud(s) Fans: 12x 4cm heavy duty fans with optimal fan speed control 40x40x56mm Fan(s)
Power Supply	2x 2000W Redundant (1 + 1) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment CPU thermal trip support, PEPI
Dimensions and Weight	Weight: Gross Weight: 70.6 lbs (32 kg) Net Weight: 55.1 lbs (25 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 0°C ~ 35°C (32°F ~ 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	Super X13SEED-F
Chassis	CSE-SE201-R2K07P