UP Workstation SYS-540A-TR

UP full-tower workstation for AI/DL/ML development
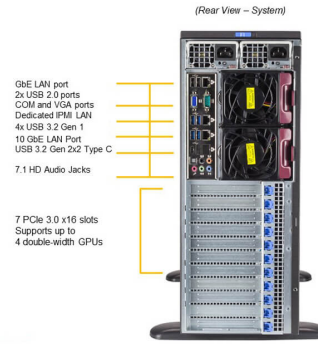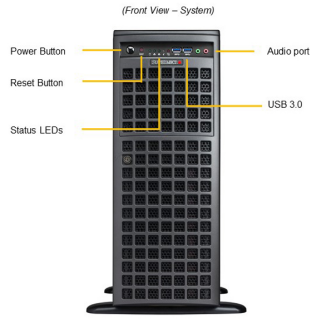
Key Applications

Deep Learning/AI/Machine Learning Development,

Key Features

- Supports 3rd Gen Intel® Xeon® Scalable or Xeon® W-3300 Processors with TDP up to 270W;
- 7 PCIe 4.0 Slots;
- 1x 10GBase-T, 1x 1GbE, and 1x dedicated IPMI LAN ports;

Form Factor	Full-Tower Rackmount Enclosure: 178 x 460 x 673mm (7" x 18.1" x 26.5") Package: 685.8 x 322.6 x 952.5mm (27" x 12.7" x 37.5")
Processor	Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 40C/80T; Up to 60MB Cache
GPU	Max GPU Count: Up to 4 double-width or 4 single-width GPU(s) Supported GPU: NVIDIA PCIe: RTX A6000, RTX A5000, RTX A4000
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 8 bay(s) • 8 front hot-swap 3.5" SATA drive bay(s) M.2: 4 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 2280/22110) Peripheral Bays: 3 5.25" bay(s)
Expansion Slots	Default • 7 PCIe 4.0 x16 FHFL slot(s)

On-Board Devices	SATA: SATA (6Gbps)
	Chipset: Intel® C621A
	Network Connectivity: 1 RJ45 1GbE with Intel® I210-AT
	                                 1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI)
	                                 1 RJ45 10GbE with Marvell® AQC113
	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	USB: 2 USB 2.0 port(s) (header)
	        2 USB 2.0 port(s) (rear)
	        2 port(s) (header)
	        4 port(s) (rear)
	Video: 1 VGA port(s)
	TPM: 1 TPM header

(Front View – System)

Power Button
Reset Button
Status LEDs
Audio port
USB 3.0

(Rear View – System)

GbE LAN port
2x USB 2.0 ports
COM and VGA ports
Dedicated IPMI LAN
4x USB 3.2 Gen 1
10 GbE LAN Port
USB 3.2 Gen 2x2 Type C

7.1 HD Audio Jacks

7 PCIe 3.0 x16 slots
Supports up to
4 double-width GPUs

System Cooling	Fans: 2x 80mm Fan(s) 4x 92mm Fan(s)
Power Supply	2200W Redundant Titanium Level 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	Voltage: +1.8V, +12V, +3.3V, +5V, +5V standby, 10 -fan status, 3.3V standby, HT, Memory, VBAT
Dimensions and Weight	Weight: Gross Weight: 57 lbs (25.85 kg) Net Weight: 52.9 lbs (24 kg) Available Color: black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	**Super X12SPA-TF**
Chassis	**CSE-747BTS-R2K20BP**