

# CloudDC SuperServer SYS-610C-TR

1U CloudDC with 4 3.5" SAS/SATA bays



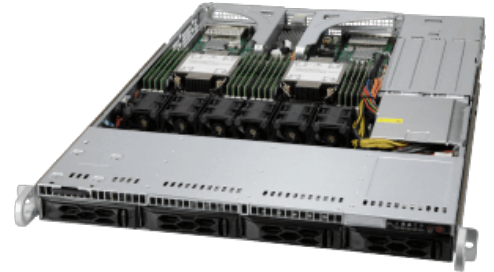
More details here

## Key Applications

Web Server, Firewall Application, Data Center Optimized, Value IaaS, Cloud Computing, Compact Server, DNS & Gateway Servers, Firewall Application, CDN, Edge Nodes,

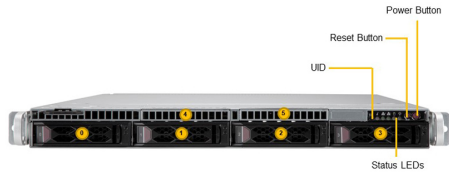
## Key Features

- Dual sockets P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors;
- Intel® C621A Chipset;
- 16 DIMMs up to 6TB 3DS ECC DDR4-3200: LRDIMM/RDIMM/Intel® Intel® DCPMM;
- 2 PCIe 4.0 x16 FHHL; 2 PCIe 3.0 x2 NVMe M.2;
- Dual AIOM (OCP 3.0) slots with NCSI for networking, 1 dedicated IPMI LAN;
- 4x 3.5/2.5" hot-swap SATA/SAS drive bays;
- 6 counter-rotating 4 cm PWM fans with optimal fan speed control, 2 air shrouds;
- 860W redundant Platinum level 100-240Vac and 200-240 Vdc power supplies;
- 1 VGA, 1 COM, 2 USB 3.0 (rear);



Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: 605 x 197 x 878mm (23.8" x 7.8" x 34.6")
Processor	Dual Socket P4 (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 40C/80T; Up to 60MB Cache per CPU
GPU	Max GPU Count: Up to 2 single-width GPUs Supported GPU: NVIDIA PCIe: A2, L4 Intel PCIe: Intel Data Center GPU Flex 140
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM Supports Intel® Optane™ persistent memory 200 series
Drive Bays Configuration	Default: Total 4 bays <ul style="list-style-type: none"> <li>• 4 front hot-swap 3.5" SAS/SATA drive bays</li> </ul> Option A: Total 4 bays <ul style="list-style-type: none"> <li>• 4 front hot-swap 2.5" SAS/SATA drive bays</li> </ul> M.2: 2 M.2 PCIe 3.0 x2 NVMe slots (M-key 2280(default); VROC required for RAID) Peripheral Bays: 2 2.5" peripheral bays (optional)
Expansion Slots	Default <ul style="list-style-type: none"> <li>• 2 PCIe 4.0 x16 FHHL slots</li> <li>• 2 PCIe 4.0 x16 AIOM slots (OCP 3.0 compatible)</li> </ul>
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1/5/10 support Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.2 Gen1 Type-A ports(rear) Video: 1 VGA port Serial: 1 COM port(rear) DOM: 1 SuperDOM (Disk on Module) port TPM: 1 TPM header

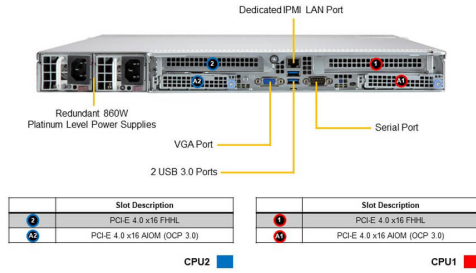
(Front View – System)



Drive Bay	Description
1 – 3	3.5" Hot-swap SATA/SAS/SAS3 Drive Bays
4 – 6	**2.5" 7mm Drive Bays

\*SAS3 support requires additional parts from the optional parts list  
 \*\*Slot 4 or 5 requires additional parts from the optional parts list

(Rear View – System)



Slot Description	Slot Description
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 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CPU2

CPU1

**System Cooling**

Fans: Up to 6x 4cm heavy duty fans with optimal fan speed control  
 Air Shroud: 2 Air Shrouds

**Power Supply**

2x 860W Redundant (1 + 1) Platinum Level (94%) Hot-plug power supplies

**System BIOS**

BIOS Type: AMI 32MB SPI FLASH ROM

**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: 8 Phase-switching voltage regulator  
 Monitors for CPU Cores, Chipset Voltages, Memory.  
 Fan: Fans with tachometer monitoring  
 Pulse Width Modulated (PWM) fan connectors  
 Status monitor for speed control  
 Temperature: Monitoring for CPU and chassis environment  
 Thermal Control for fan connectors

**Dimensions and Weight**

Weight: Gross Weight: 46 lbs (20.9 kg)  
 Net Weight: 25 lbs (11.3 kg)  
 Available Color: Black front & silver body

**Operating Environment**

RoHS Compliant  
 Operating Temperature: 10°C to 35°C (50°F to 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 X12DDW-A6](#)

**Chassis**

CSE-LA15TS-R860AWP