MegaDC SuperServer SSG-610P-ACR12N4H

1U internal-mounted storage server with 12 3.5" SAS/SATA bays (SAS hardware RAID), 4 EDSFF short and 2x 2.5" 7mm bays
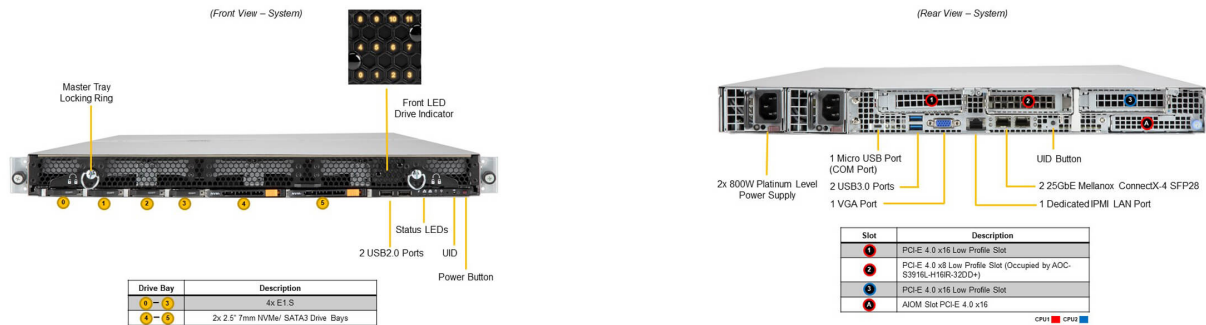
More details here

Key Applications

Database Applications, Hyperscale Data Center, Object Storage, Big Data Analytics, Scale-Out Density, Hadoop & Ceph storage solutions, Scale-out NAS,

Key Features

- Up to 4TB ECC DDR4-3200: LRDIMM/RDIMM;
- 2x 25G SFP28 Ports Onboard;
- 12x 3.5" hot-swap SAS/SATA, 4x hot-swap E1.S (EDSFF Short) drive bays, 2x 2.5" 7mm NVMe/SATA drive bays;
- RAID support via Broadcom® 3916;
- Front LED Indicator for each drive
  PCIe 4.0 x16 AIOM Support + 3 PCIe 4.0 LP Slots;

Form Factor	1U Rackmount Enclosure: 447.04 x 43.18 x 939.8mm (17.6" x 1.7" x 37") Package: 685.8 x 304.8 x 1350.01mm (27" x 12" x 53.15")
Processor	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 38C/76T; Up to 57MB Cache per CPU
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 18 bays • 12 internal hot-swap 3.5" SAS/SATA drive bays • 4 front hot-swap E1.S NVMe drive bays • 2 front hot-swap 7mm NVMe drive bays M.2: 2 M.2 NVMe/SATA slots (M-key)
Expansion Slots	Default • 2 PCIe 4.0 x16 LP slots • 1 PCIe 4.0 x8 LP slot • 1 PCIe 4.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2 SFP28 25GbE with Mellanox®

Input / Output	LAN: 2 SFP28 25 GbE LAN ports
	     1 RJ45 1 GBASE-T Dedicated BMC LAN port
	USB: 2 USB 3.0 ports(rear)
	     2 USB 2.0 ports(front)
	Video: 1 VGA port
	Serial: 1 port

(Front View – System)

Master Tray
Locking Ring

Front LED
Drive Indicator

Status LEDs

2 USB2.0 Ports   UID

Power Button

Drive Bay	Description
0 – 3	4x E1.S
4 – 5	2x 2.5" 7mm NVMe/ SATA3 Drive Bays

(Rear View – System)

1 Micro USB Port
(COM Port)

2x 800W Platinum Level
Power Supply

2 USB3.0 Ports

1 VGA Port

UID Button

2 25GbE Mellanox ConnectX-4 SFP28

1 Dedicated IPMI LAN Port

Slot	Description
1	PCI-E 4.0 x16 Low Profile Slot
2	PCI-E 4.0 x8 Low Profile Slot (Occupied by AOC-S3916L-H16IR-32DD+)
3	PCI-E 4.0 x16 Low Profile Slot
A	AIOM Slot PCI-E 4.0 x16

CPU1   CPU2

System Cooling	Fans: 6 Heavy Duty 4cm Fan(s)
Power Supply	2x 800W Redundant (1 + 1) Platinum Level (94%) 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: Monitors for CPU Cores, Chipset Voltages, Memory
	    4+1 Phase-switching voltage regulator
	FAN: Fans with tachometer monitoring
	    Status monitor for speed control
	    Pulse Width Modulated (PWM) fan connectors
	Temperature: Monitoring for CPU and chassis environment
	    Thermal Control for fan connectors

Dimensions and Weight	Weight: Gross Weight: 58 lbs (26.3 kg) Net Weight: 39.5 lbs (17.9 kg) Available Color: Black
Operating Environment	RoHS Compliant 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 X12DPD-A6M25**
Chassis	**CSE-802ETS-R804AMP**