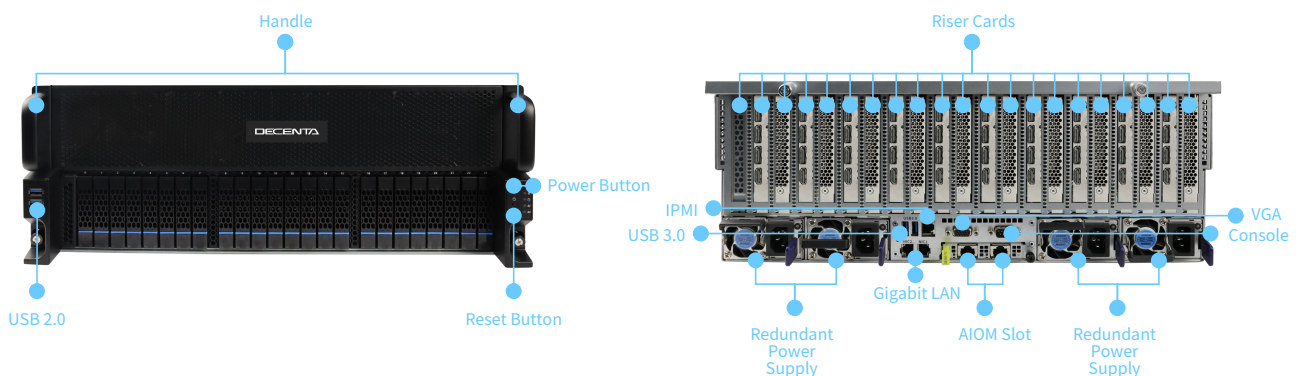# SERVER01 Specification

Overview

Decenta SERVER01 is 4U Rackmount Server which is built on Intel® Eagle stream Platform. It has advantage of high computing performance, flexible hard disk configuration, large storage capacity and high reliability. It can meet high computing applications, and could be widely used for intelligent medical treatment, machine vision, data analysis, artificial intelligence and AI deep learning training, reasoning smart city etc.

- Support Dual 4th Intel® Xeon® Processors.
- Support 32x DDR5 4800MHz/4400MHz ECC RDIMM Slots.
- Up to 10 Single-Width PCI-E 5.0 x16 Card(Full Height Full Length).
- Up to 24x 2.5" hot-swap NVMe/SATA/SAS drive bays.
- Support hot-swappable OCP3.0 Slot.
- High Reliability with Redundant Design.
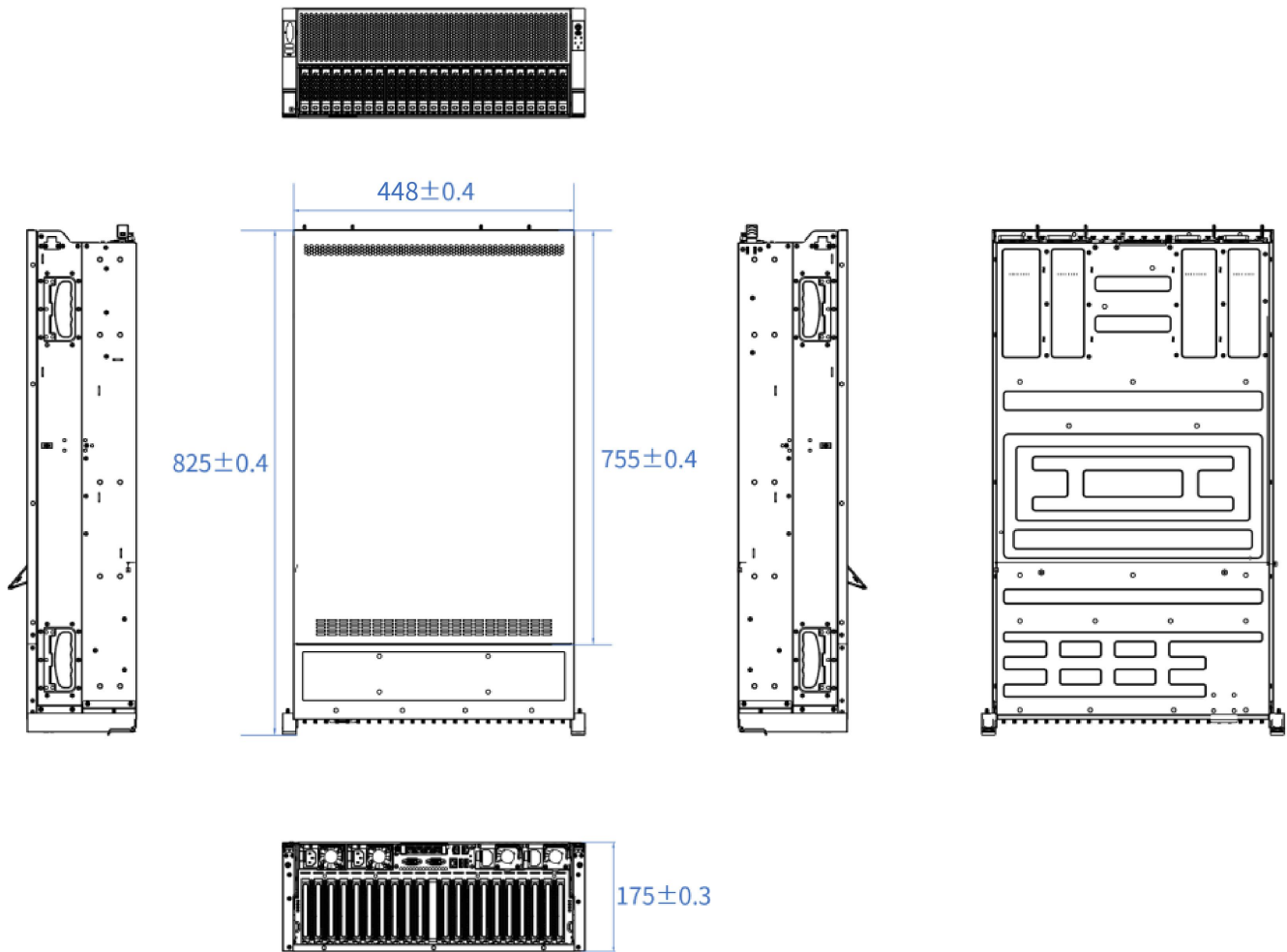- Easy To Use with Modular Design.

I/O Overview

Handle

Riser Cards

Power Button

IPMI

USB 3.0

VGA Console

USB 2.0

Reset Button

Gigabit LAN

Redundant Power Supply

AIOM Slot

Redundant Power Supply

Specifications

Model	S22-EGS-SERVER01
Form Factor	4U

Processor	**CPU**		Dual Socket LGA-4677 4th Gen Intel® Xeon® Scalable processors - Support CPU TDP 350W - Up to 60C or 64C/80T; Up to 60MB Cache
	Chipset		Intel® Emmitsburg/C741
Power Phase			8 Phase-switching voltage regulator *Monitors for CPU Cores, Chipset Voltages, Memory
Memory	**Type**		32 Slots, 4800/4400MHz ECC DDR5 RDIMM
	Capacity		Up to 8TB: 32x 256 GB DRAM
Graphic	**Controller**		Up to 10 Double-Width/Single-Width PCI-E 5.0 x16 Card (Full Height Full Length)
	Connector	**CPU-GPU Interconnect**	PCI-E 5.0 x16
Network	**Ethernet**	**Controller**	1x Intel® I350
		Connector	2x 1Gbe RJ45
Storage	**2.5'' HDD/SSD**		1x M.2 M-Key 2280 Slot (Support SATA & PCIe mode)
	M.2		Up to 2x M.2 NVMe
I/O	**Front**	**LED**	Hard drive activity LED Network activity LEDs Power status LED System Overheat & Power Fail LED
		Button	2(Power & Reset)
		USB2.0	2
		2.5'' Hot-swap NVMe/SAS/SATA3/ Drive Bays	Up to 24
	Rear	**AIOM Slot**	1
		VGA Port	1
		COM	1
		IPMI	1
		LAN	2
		USB 3.0	2
Environment	**Temperature**	**Operating**	10°C ~ 35°C
		Non-operating	-40°C to 60°C
	Humidity	**Operating**	9%~90% non-condensing
		Non-operating	5%~95% non-condensing
Feature	**IPMI 2.0**		Y
	Watch Dog		Y
Cooling System			2x CPU Fans 8x System Fans 4x GPU Fans * Heavy duty fans with optimal fan speed control *Fans with tachometer monitoring *Pulse Width Modulated(PWM)fan connectors *Status monitor for speed control
Power			4(3+1)x 2000W redundant Titanium level power supplies 4(2+2)x 2400Wredundant Titanium level power supplies
OS			Win Server/Linux
Bios			Insyde
Dimensions			755mm x 448mm x 175mm/825mm x 448mm x 175mm(Include Fan Module)
Material			Plastic + Metal

Dimensions (Unit：mm)

448±0.4

825±0.4

755±0.4

175±0.3