

# SERVER01 Specification

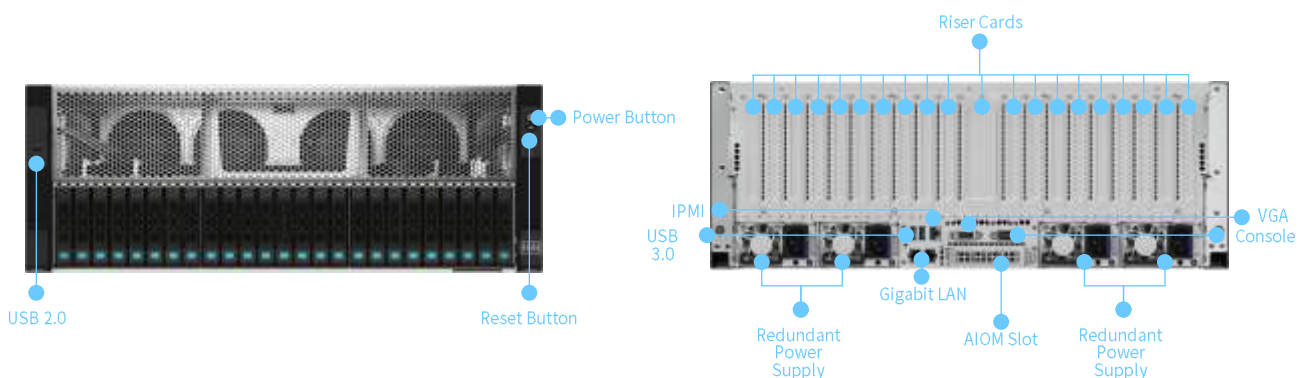


## Overview

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 4<sup>th</sup> Intel® Xeon® Processors.
- Support 32x DDR5 4800MHz/4400MHz ECC RDIMM Slots.
- Up to 8 Double-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



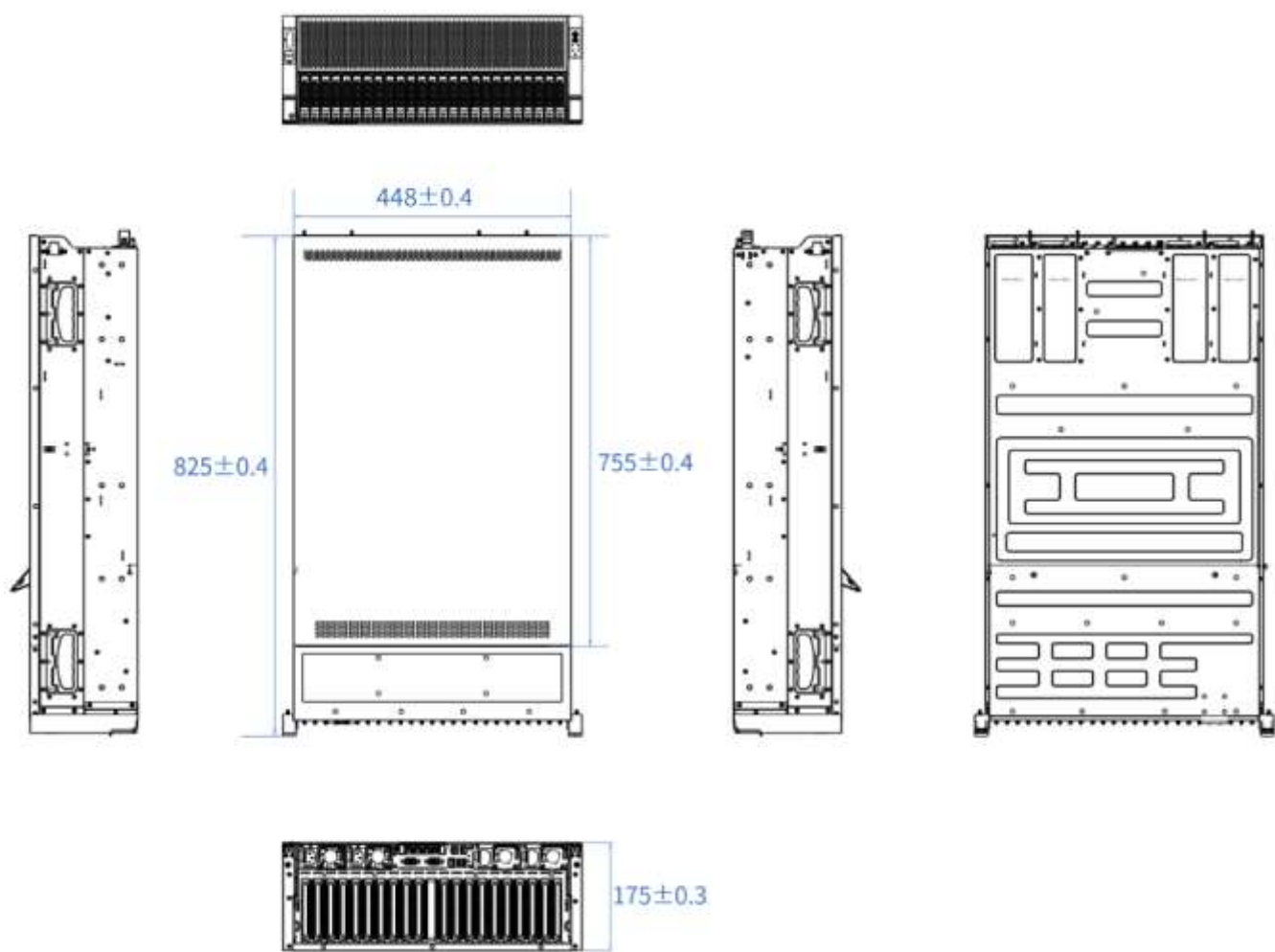
# Specifications

Model			S22-EGS-SERVER01
Form Factor			4U Rackmount
Processor	CPU		2x 5th/4th Gen Intel® Xeon® Scalable processors, 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		32x DDR5 4800/4400MHz RDIMM memory, Support ECC
	Capacity		Up to 8TB: 32x 256 GB DRAM
Graphic	Controller		Up to 10 Double-Width PCI-E 5.0 x16 Card (Full Height Full Length)*
	Connector	CPU-GPU Interconnect	PCIe 5.0 x16
Network	Ethernet	Controller	1x Intel® I350
		Connector	2x 1Gbe RJ45
BMC	Controller		AST2500
Storage	2.5" HDD/SSD		Up to 24x 2.5" hot-swap NVMe/SATA/SAS drive bays
	M.2		Up to 2x M.2 NVMe
I/O	Front	LED	5 (Power_LED_White; Power on: Solid White, Power off: Off UID_LED_Blue; Active UID via button/ Locating server via BMC WEB: Blinking Blue 1Hz, BMC Reset: Blinking Bule 2Hz, BMC restoring to factory setting: Blinking Blue 4Hz, BMC/BIOS FW Updating: Blinking Blue 10Hz Alarm_LED_Red; Overheat: Solid red, Fan failure: Blinking red 1Hz, Electricity failure: Blinking red 0.25Hz, Fault detected: Blinking red 10Hz HDD_LED_Green; Not transmitting data: Off, Transmitting data: Blinking Green LAN Status_LED_Green; Link LED: Solid Green, Transmitting data: Blinking Green)
		Button	2(Power & Reset)
		USB2.0	2
		2.5" Hot-swap NVMe/SAS/SATA3/ Drive Bays	Up to 24
	Rear	Riser Card	Support up to 8 double-wide PCIe 5.0 x16 cards*
		AIOM Slot	1
		VGA Port	1
		Console	1x serial port
		IPMI	1
		LAN	2
		USB 3.0	2
Environment	Temperature	Operating	10°C ~ 35°C
		Non-operating	-40°C to 60°C
	Humidity	Operating	8%~90% non-condensing
		Non-operating	5%~95% non-condensing
Feature	IPMI 2.0		Y
	TPM		Y
	Watchdog Timer		Y
Cooling System			2x 4Pin CPU FANs 8x 4Pin heavy duty fans with optimal fan speed control *Fans with tachometer monitoring *Pulse Width Modulated (PWM) fan connectors *Status monitor for speed control

# Specifications

Model	S22-EGS-SERVER01
Power	4x 2000W or 4x 2400W Platinum redundant power supplies
OS	Win Server/Linux
Bios	Insyde
Dimensions	760mm x 448mm x 175mm, Without fan 823mm x 448mm x 175mm, With fan
Material	Plastic + Metal
Remark	* When there is no M.2 NVMe, it can support up to 10 Double-Width PCI-E 5.0 x16 Cards

## Dimensions (Unit: mm)



\*Specifications and information contained in this document are furnished for informational use only, and are subject to change at any time without notice, and should not be construed as a commitment by Decenta.