

Deliver Blazing-Fast, High-Performance Computing Across All Intelligent Edge Scenarios



Decenta S25-RPLS-WA03



Intel®-Enabled AI Edge Tower-Rack Convertible Delivers High Performance Across Enterprise, Industrial, Medical, and Traffic Scenarios

Most companies struggle to process large amounts of data efficiently and adapt to different cases, causing delays and high costs due to varied development needs and AI compute limits. Decenta AI Tower-Swap All-in-One Machine based on Intel® Q670 chipset, supports 12th-14th Gen Intel® Core™ processors and Intel® Pentium®/Intel® Celeron® processors, allows multi-device connections and concurrent multi-model inference.

Supports up to two high-performance AI accelerator cards, with 48GB GDDR6 large graphics memory hardcore configuration, delivers up to 394 TOPS(INT8) to efficiently handle AI development, LLM inference, complex scene rendering, high-resolution processing, and memory-intensive simulations. Supports tower swapping forms, seamlessly adapt to mainstream AI frameworks and ecosystems, have strong compatibility, are easy to deploy, and save algorithm porting costs. Widely applicable to education, healthcare, community security, and industrial quality inspection, it helps SMEs accelerate AI adoption.

**Triple
breakthroughs
in edge
computing:
Decenta AI Edge
Tower-Rack
blends ATX
support
with flexibility,
reliability, and
space efficiency**

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



**Intel® Core™
Processors**



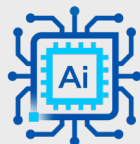
OpenVINO™



**Intel® oneAPI
Toolkit**

Key Features

Empowered by Intel.



AI-Ready
Edge Power



Enterprise
Storage



Secure
Networking



Flexible
Deployment

Decenta S25-ARLS-WA02



Product Specifications

CPU	Intel LGA1700 Socket: Supports 12th-15th Gen Intel® Core™ i9/i7/i5/i3 and Pentium®/Celeron® processors
Graphics	Intel® UHD Graphics
Memory	4 x DDR5 5600*/4800MT/s U-DIMM, Dual Channel Max.128GB
Storage	M.2_1: M-Key 2242/2280 Slot, Support PCIe 4.0 X4(NVMe) mode, Reserved M.2_2: M-Key 2242/2280 Slot, Support PCIe 4.0 X4(NVMe) & SATA 3.0 mode
Wireless Network	1x M.2 E-Key 2230 Slot for Wi-Fi 6E + BT 5.3, Support PCIe 3.0 & CNVi Signal
LAN	1x Intel® Ethernet Connection I219-V (Co-lay with Intel® Ethernet Connection I219-LM) & 1x Intel® Ethernet Controller I210-IT 1x Intel® Ethernet Controller I226-V, Reserved
Operating / Storage Temp.	0 ~ 60 °C / -40 ~ 85 °C
Dimension (W x D x H)	500mm x 435mm x 175mm
Weight	20 kg
OS	Windows 11/Linux (Ubuntu)

Learn More

[Decenta S25-RPLS-WA03](#)

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