



HORUS440-S

3U MILITARY VIRTUALIZATION SUPER COMPUTER SERVER



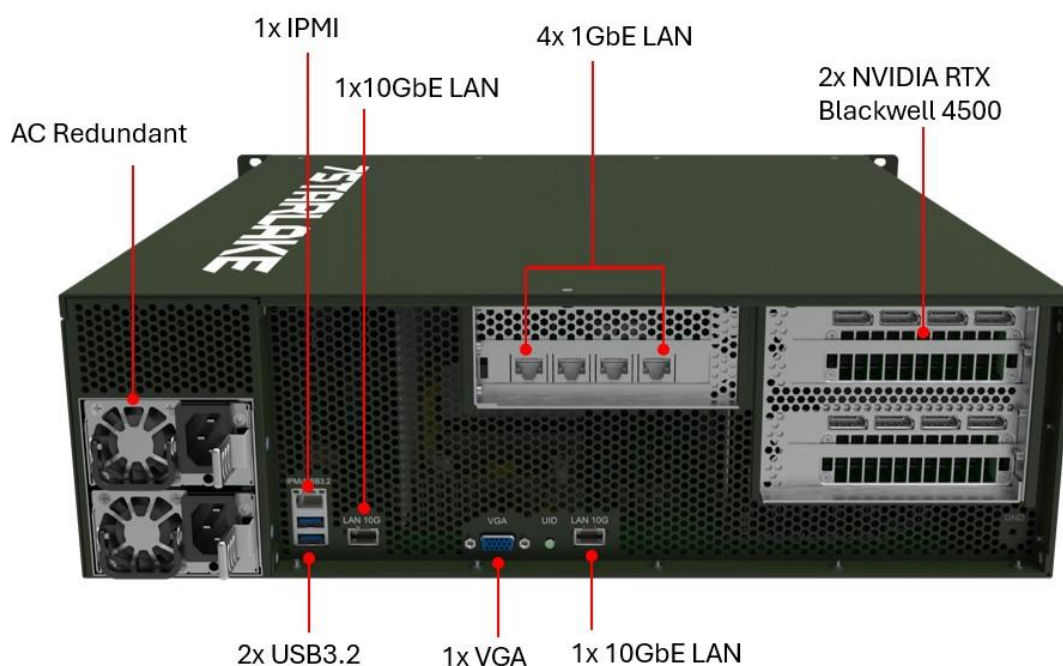
- Dual Intel® Xeon® Granite Rapids 6520P, 24 Cores 2.4 GHz Processor
- 128GB DDR5 RDIMM ECC up to 6400MT/s
- 2 x NVIDIA RTX PRO Blackwell 4500, 10,496 CUDA, 32GB GDDR7 with ECC
- 3 x 2TB SATAIII SSD Storage RAID 0, 1, 5, 10
- Areca RAID card support
- 4 x 1G LAN (Intel® i350) card
- 2 x 10G, 1 x IPMI, 2 x USB2.0, 1 x VGA
- 100~240 VAC 2700W 1+1 Redundancy PSU
- Operating temp. : -20°C to +55 °C

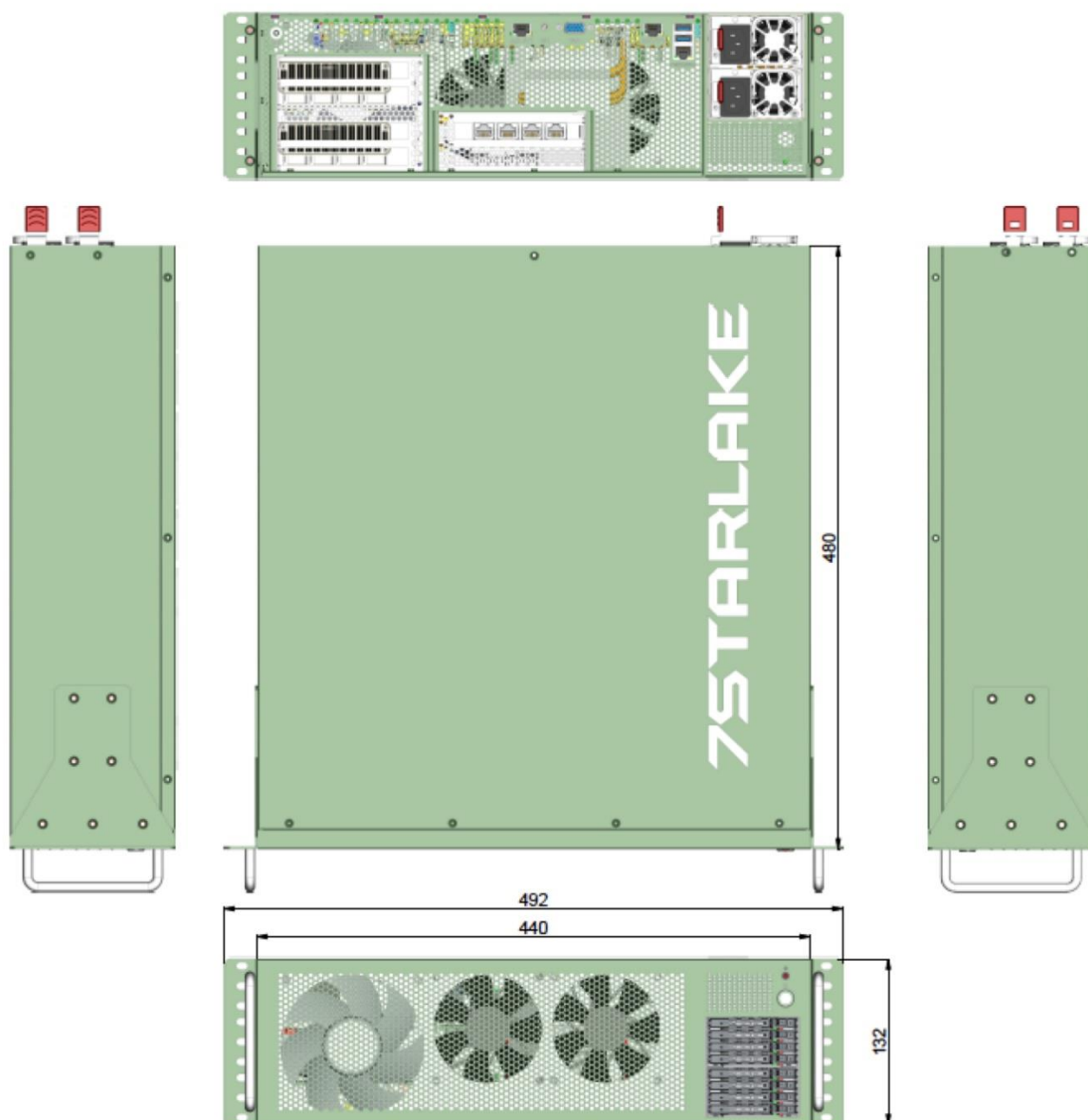
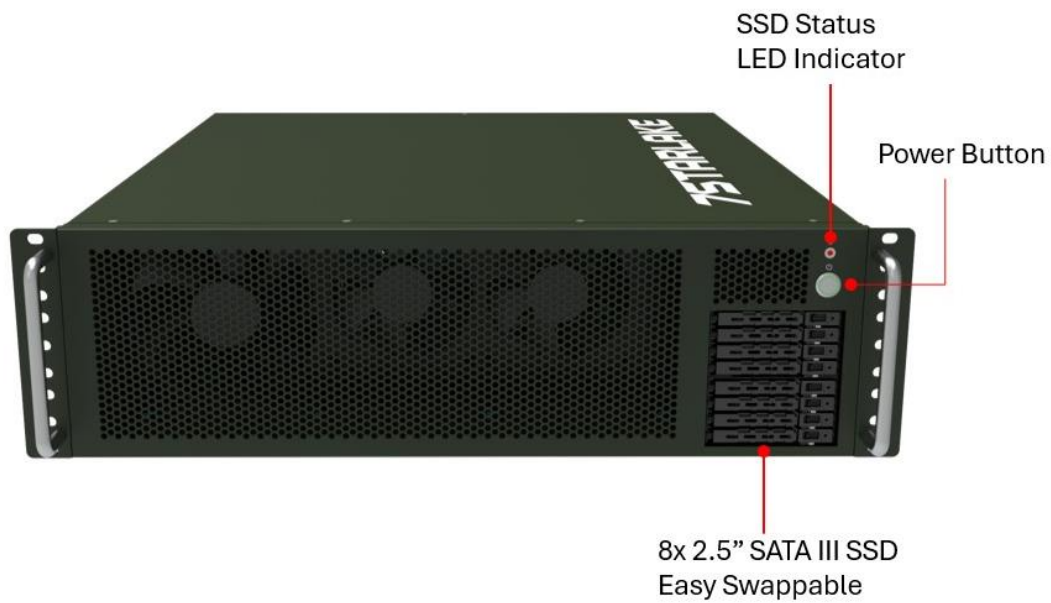
Introduction

Built for uncompromising performance in demanding environments, the HORUS440-S is a high-density, mission-critical AI supercomputer powered by dual Intel® Xeon® Granite Rapids 6520P processors (48 cores) and dual NVIDIA® RTX™ Blackwell 4500 GPUs. Engineered to accelerate real-time multi-sensor fusion, edge AI inference, and complex data modeling, this rugged system delivers up to 32GB of high-speed GDDR7 memory per GPU alongside ultra-fast DDR5 6400MT/s RDIMM system memory.

Designed to thrive in harsh operational conditions, the HORUS440-S operates across an extended temperature range of -20°C to +55°C. With hardware-level Areca RAID protection, high-throughput 10G/1G LAN connectivity, and a 2700W (1+1) redundant power supply, it ensures maximum uptime and data integrity for military and heavy-autonomous deployments.

Appearance





SPECIFICATIONS

SYSTEM

CPU	Dual Intel® Xeon® 6 Granite Rapids 6520P, 24Cores 2.4/4.0GHz Processor TDP 210W
Memory type	128GB DDR5 RDIMM ECC up to 6400MHz
Chipset	N/A
GPU	2 x NVIDIA Blackwell RTX 4500 10496 CUDA, 32GB GDDR7 with ECC

STORAGE

SSD	3 x 2TB SATAIII SSD
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EXPANSION SLOTS

RAID	Areca RAID card
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ETHERNET

Ethernet	4 x 1GBase-T (Intel® i350) Card 2 x 10GBase-T LAN + IPMI LAN
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OPERATING SYSTEMS

OS	Windows 11, Linux
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POWER

AC PSU	100/240V 2700W 1+1 Redundancy PSU
Dimensions	19" Rack mounting
	440 x 480 x 132 mm (W x D x H)
Weight	≤ 12 kg

CONNECTIVITY

IPMI	1 x IPMI LAN
USB	2 x USB 2.0
LAN	4 x 1GBase-T, 2 x 10G Base-T LAN
Display	1 x VGA

LED	1 x HDD LED (Red) 1x Power on LED (Green)
AC-IN	100/240V 2700W 1+1 Redundant PSU
Storage	8 x 2.5" Easy Swappable SSD Tray

ENVIRONMENT

Operating Temp.	-20°C to +55°C
Storage Temp.	-40°C to +71°C
Relative Humidity	5% to 95%, non-condensing
RoHS	RoHS Compliant

This datasheet is for marketing purposes only and does not constitute a warranty. All specifications, dimensions, and data are subject to change without notice. For the latest specifications and updates, please contact your 7STARLAKE representatives.