2U RUGGED SERVER WITH INTEL 6TH GEN XEON CPU

NDURA SERVER 2U

Rugged 2U server engineered for defence applications, for use in the most challenging environments. Powered by 6th Generation Intel Xeon processors and supporting a wide range of configurable GPU, networking and storage options.

View online

Engineered for High Performance in Mission-Critical Defence Applications

- Ruggedised Defence-Grade Design (Designed to meet MIL-STD-810 and DEF STAN 00-035).
- High-Performance Intel Xeon and Nvidia GPU Processing.
- Flexible Storage With AES-256 Hardware Encryption.
- Expandable NVIDIA GPU & High-Speed Connectivity.
- For use in harsh environments.

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System Specifications

NDURA-SERVER-2U

System	
Processor	Intel Xeon 6th Gen CPU.
Memory	Up to 1TB ECC DDR5 6400 MHz memory.
Storage	Up to 2 x internal M.2 NVMe SSDs. Up to 2 x removable SSDs (**SATA or NVMe**). Viasat DARC encrypted SSD supported.
Expansion	Multiple Nvidia GPU cards supported. **Optional:** 2 x PCIe x16 Low profile. 3 x PCIe x8 Low profile. Or 2 x PCIe x16 Full height. 1 x PCIe x8 Low profile.
Security	TPM 2.0 onboard IC. UEFI provides access to security configuration settings. Viasat DARC SSD support.

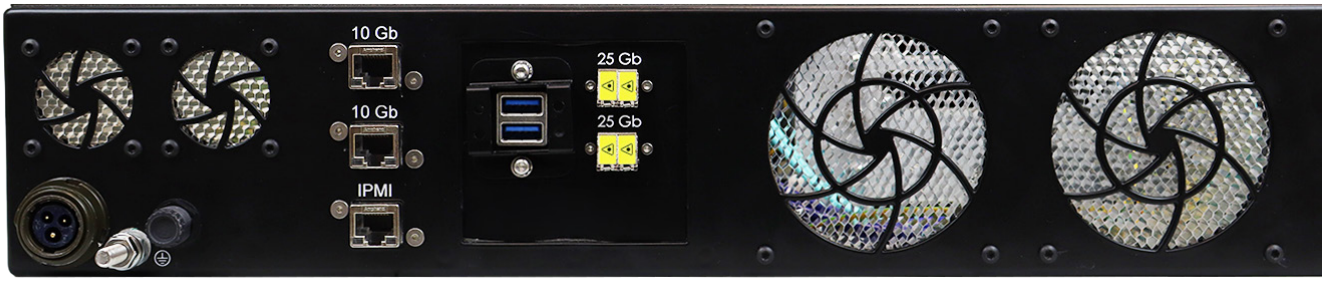
Front I/O	
USB	2 x USB 2.0

Rear I/O (Can be customised)	
Ethernet	2 x 10 Gigabit LAN (**RJ45**). 1 x Dedicated IPMI port (**RJ45**).
USB	2 x USB 3.2 (**Gen1**).
VGA	1 x VGA (**Maximum resolution up to 1920 x 1200 @ 60 Hz**).
Serial	1 x RS232.

Power	
Voltage	AC Input voltage 90-264VAC.
Frequency	Input frequency 47-63 Hz.
Other	Filtered. Rear Earth stud. Mains connector WEALD LMV/2157/8M3/M0. Mains Cable UK plug to WEALD LMV2154/8M3/F0 – 2M. Dual Redundant PSU option

Mechanical	
Dimensions	19” 2U Server x 550 mm depth rackmount chassis. **Overall Dimensions:** 482 x 88 x 605.5 mm (**W x H x D**).
Weight	10 kg (depending on configuration).
Construction	Rugged welded aluminium construction. Low magnetic signature. Jet black powder coated finish.

Environmental & Regulatory	
Environmental	-5°C to +50°C Operating. -40°C to +70°C Non-operating. **Designed to meet:** MIL-STD 810 Shock/vibration for naval. DEF STAN 00-035 shock/vibration for naval. Test data available upon request.
EMC	CE. Compliant to BS EN 55032:2015+A1:2020, BS EN 55035:2017+A11:2020. **Designed to meet:** MIL-STD 461 naval below decks. DEF STAN 59-411 naval below decks. Test data available upon request.
Certification	CE, RoHS, REACH. Certification to other standards available on request.



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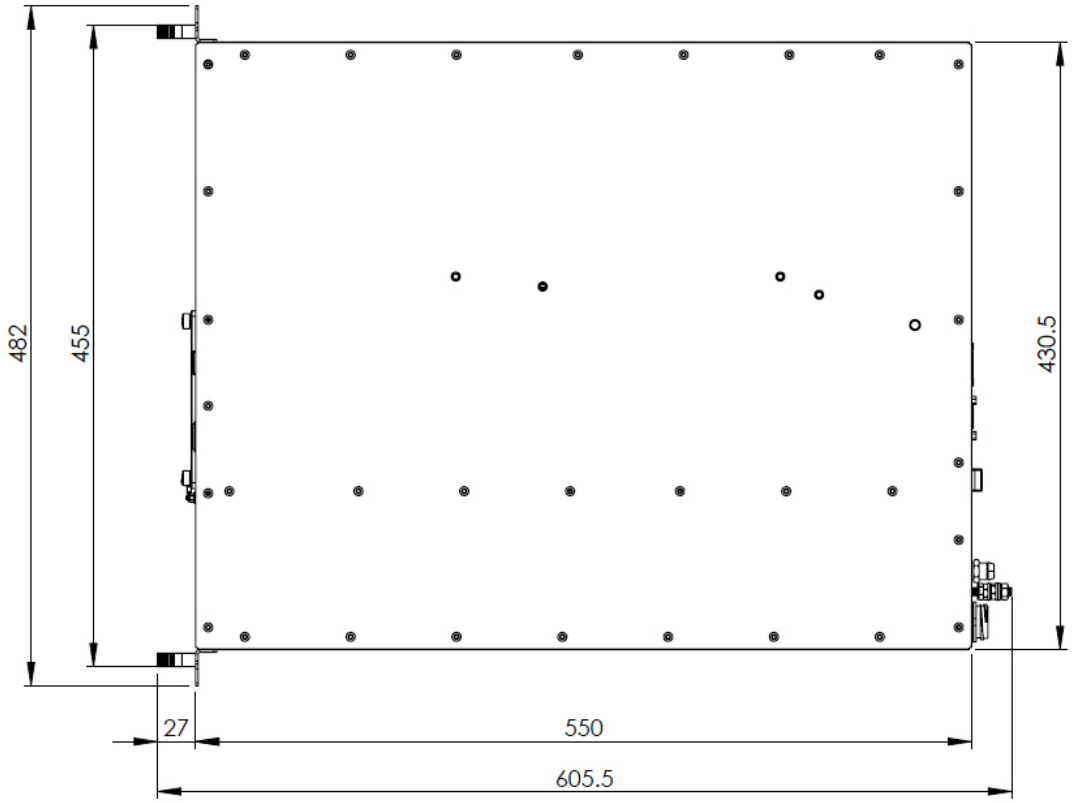

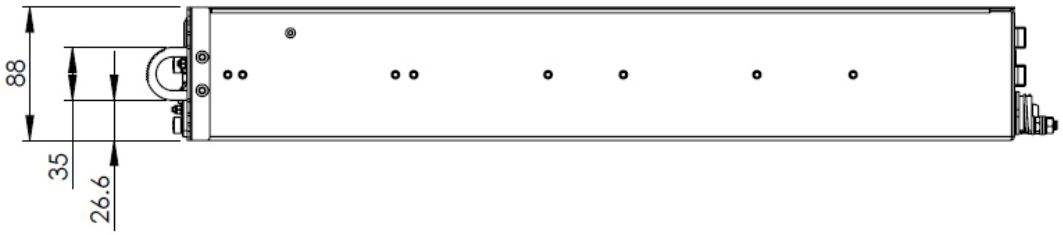

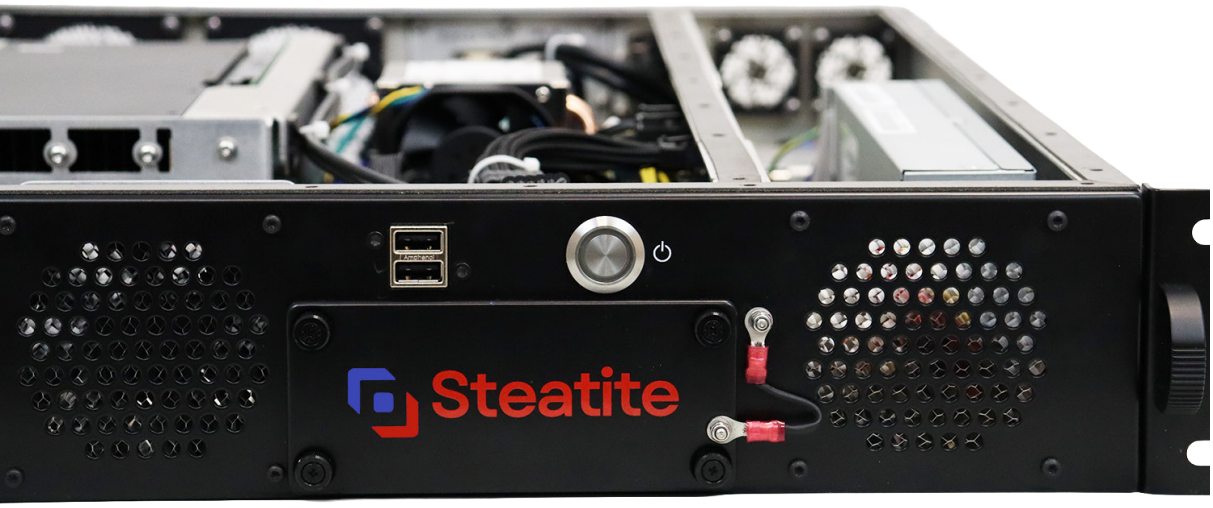

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