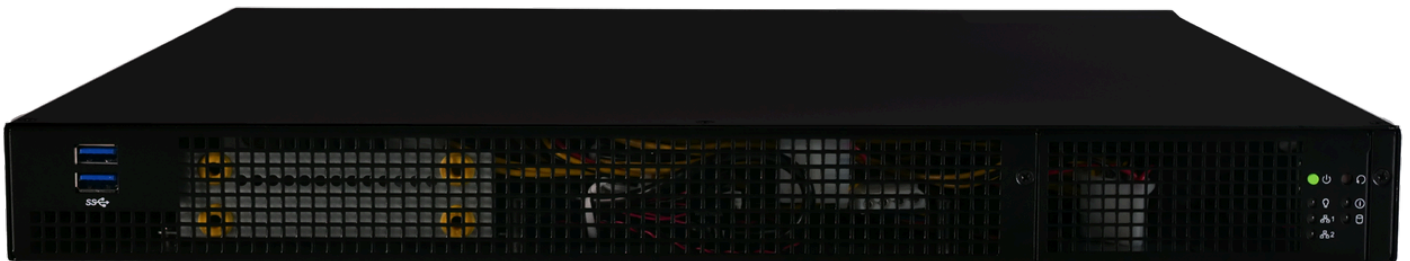


1U Intel Xeon 6 Rackmount System

VELA-SVR-XE6-1U

A compact 1U server platform for high-performance networking, data processing, virtualisation and edge workloads. Built around the Advantech ASMB-818I server motherboard, the system features an Intel Xeon 6505P processor with 12 cores, 24 threads, speeds up to 4.1GHz and 48MB cache. Its short-depth 1U chassis includes an 850W power supply and PCIe Gen 5 x16 expansion, with configurable memory, storage, networking, I/O and operating system options.



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Standard Configurations

This specification sheet covers both standard variants. Differences are shown side by side. Shared specifications apply to both models, unless stated otherwise.

Specification	VELA-SVR-XE6-1U-6505P
Processor	Intel Xeon 6505P
Cores / Theads	12 / 24
All Core Boost	3.9 GHz
Cache	48 MB
Memory	64GB (4x 16GB) 5600MHz LRDIMM CL46
Storage	1TB NVMe PCIe Gen4 x4 SSD, 112-layer 3D NAND flash
System Core	
Motherboard	ASMB-818I-00A1, ATX industrial Server Board
Chipset	Intel
CPU Socket	Intel LGA4710
Supported CPU Power	Up to 150W
Chassis	HPC-7120S-85ZB 1U short-depth server chassis
Power Supply	850W
Graphics	onboard/server management graphics

System Specification

Specification	VELA-SVR-XE6-1U-6505P
I/O	
Ethernet	2x 2.5GbE, 1x dedicated GbE management port
Display	1x VGA
USB Rear	2x USB3.2 Gen1; 4x USB2.0
USB Front	2x USB3.0
Serial	1x RS-232
Storage & Expansion	
M.2	1x M.2 2280 M key
Drive Bays	2x Hot-swap 2.5" SAS/SATA HDD trays; 2x 2.5" Internal Drive Bays
RAID	-
PCIe	1x PCIe x16
PCI	-

System Specification

Specification	VELA-SVR-XE6-1U-6505P
Security & Remote Management	
IPMI	Yes
TPM	TPM 2.0
Security	Intel Security Engines
Mechanical & Environmental	
Dimensions (W x H x D)	482 x 43.90 x 381
Operating Temperature	0°C to +40°C
Mounting	Rackmount - Slide Rails Ordered Separately
Warranty	3 Years Return to Base

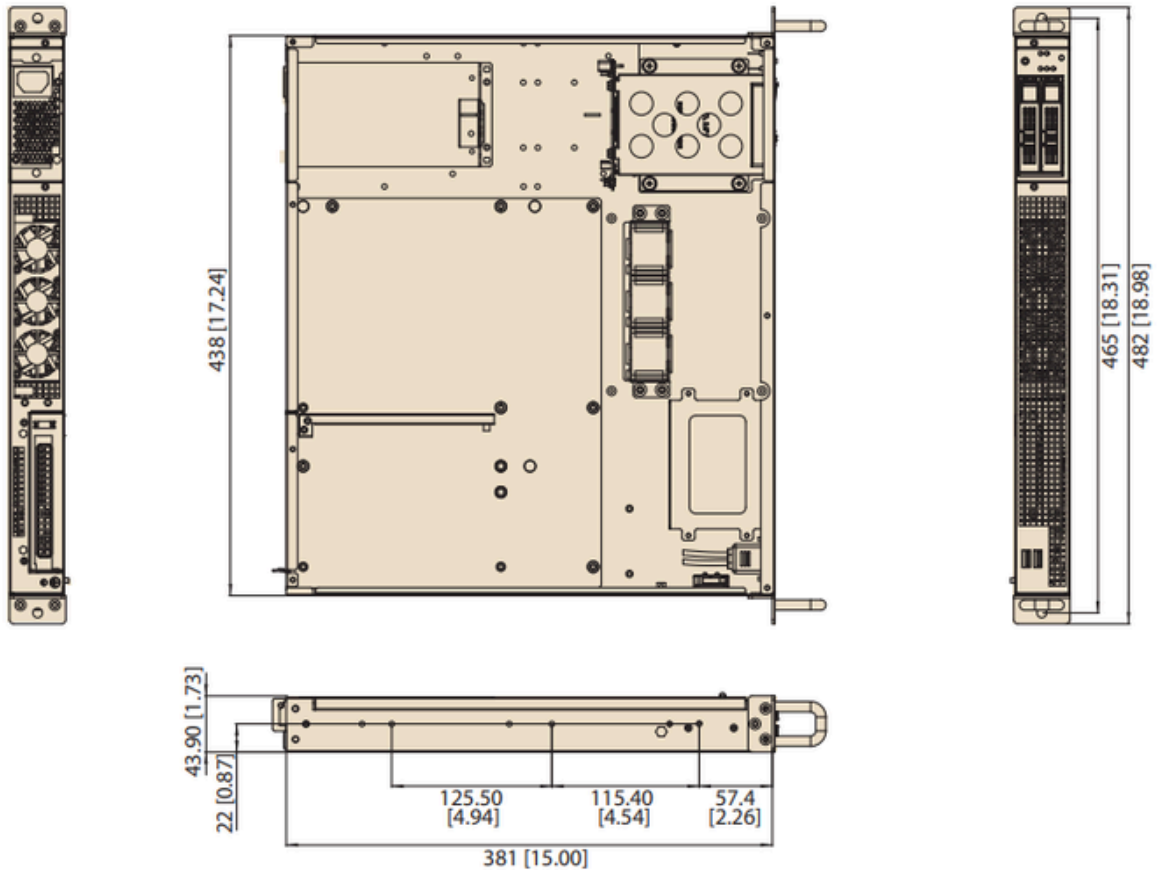
Ordering Information

Model	Processor	Memory	Storage
VELA-SVR-XE6-1U-6505P	Intel Xeon 6505P	64GB	1TB

Configuration note: The specifications above define the two standard orderable VELA-SVR-XE6 systems. Alternative configurations are available and can be discussed separately. All specifications are subject to change without notice. Please visit our website for the most up to date product information.

Mechanical Specification

Dimensions



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