

4U Intel Xeon 6 Rackmount System

VELA-SVR-XE6-4U

A flexible 4U server platform for data processing, virtualisation, networking and other performance-intensive workloads. Built around the Advantech ASMB-818I server motherboard, the system features an Intel Xeon 6520P processor with 24 cores, 48 threads, speeds up to 4.0GHz and 144MB cache. Its 4U rackmount chassis provides extensive storage, networking and I/O expansion, with configurable memory, storage, networking, expansion and operating system options to suit the application.



IMPULSE EMBEDDED LIMITED

Unit 1, Beata Road, Newcastle-under-Lyme, Staffordshire, United Kingdom, ST5 7UT
Tel: +44 (0)1782 337 800 Fax: +44 (0)1782 337 801 Email: sales@impulse-embedded.co.uk
Website: www.impulse-embedded.co.uk

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-XE6-4U-6520P
Processor	Intel Xeon 6520P
Cores / Theads	24 / 48
All Core Boost	3.4GHz
Cache	144MB
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 350W
Chassis	HPC-7242-50ZB 2U Rackmount Chassis
Power Supply	500W Flex ATX 80Plus Power supply
Graphics	Onboard/Server Management Graphics

System Specification

Specification	VELA-SVR-XE6-4U-6520P
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 USB2.0
Serial	1x RS-232
Storage & Expansion	
M.2	1x M.2 2280 M key
Drive Bays	4x Hot-swap 3.5"/2.5" SAS/SATA HDD trays*; 1x 3.5" Internal Drive Bays; 1x Slim Optical *upgrade to 8x Hotswap with expansion kit
RAID	-
PCIe	3x PCIe Gen5 [x16]; 2x PCIe Gen5 [x8]; 2x PCIe Gen5 [x4]
PCI	-

System Specification

Specification	VELA-SVR-XE6-4U-6520P
Security & Remote Management	
IPMI	Yes
TPM	TPM 2.0
Security	Intel Security Engines
Mechanical & Environmental	
Dimensions (W x H x D)	428 x 177 x 600
Operating Temperature	0°C to +40°C
Mounting	Rackmount - Slide Rails Ordered Separately
Warranty	3 Years Return to Base

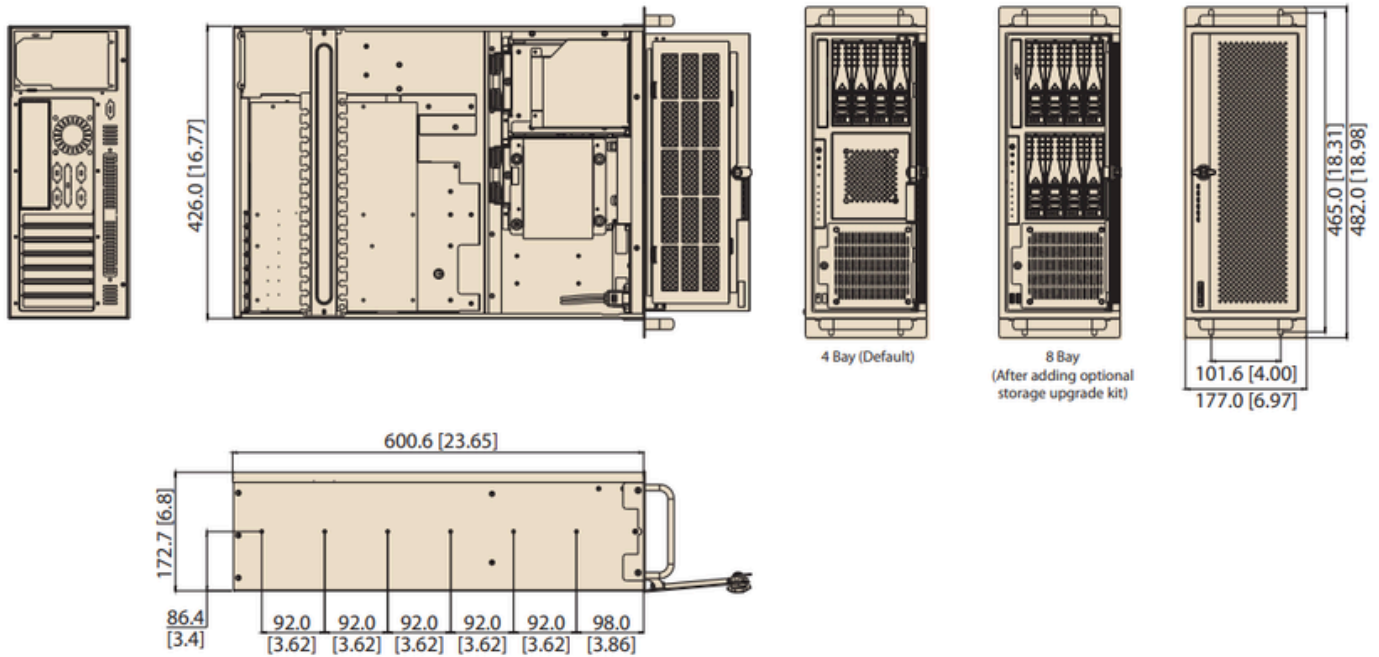
Ordering Information

Model	Processor	Memory	Storage
VELA-SVR-XE6-4U-6520P	Intel Xeon 6520P	64GB	1TB

Configuration note: The specification above defines the standard orderable VELA-SVR-XE6 system. 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



IMPULSE EMBEDDED LIMITED

Unit 1, Beata Road, Newcastle-under-Lyme, Staffordshire, United Kingdom, ST5 7UT

Tel: +44 (0)1782 337 800 Fax: +44 (0)1782 337 801 Email: sales@impulse-embedded.co.uk

Website: www.impulse-embedded.co.uk