

4U 13th Gen Intel Core i7/i5 Industrial Rackmount Computer

VELA-IPC-RPL-4U

A configurable 4U industrial computing platform for control, connectivity and automation applications. Built around the Advantech AIMB-788 industrial ATX motherboard, the system supports 13th Gen Intel Core i7 or i5 processors, up to 32GB DDR4 memory and 1TB PCIe x4 M.2 storage, with PCIe and PCI expansion plus removable HDD bays for flexible system configuration.



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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-IPC-RPL-4U-i5	VELA-IPC-RPL-4U-i7
Processor	13 th Gen Intel Core i5-13500E	13 th Gen Intel Core i7-13700E
Cores / Theads	14/20	16 / 24
All Core Boost	4.6GHz (P-Cores), 3.3GHz (E-Cores)	5.10GHz (P-Cores), 3.9GHz (E-Cores)
Cache	24MB	24MB
Memory	8GB (1x8GB) DDR4 3200MHz	32GB (2x16GB) DDR4 3200MHz
Storage	256GB M.2 2280 NVME, PCIe Gen4x4, 3D TLC BiCS5	1TB M.2 2280 NVME, PCIe Gen4x4, 3D TLC BiCS5
System Core		
Motherboard	Advantech AIMB-708 ATX Industrial Motherboard	
Chipset	Intel Chipset H610E	
CPU Socket	LGA1700	
Supported CPU Power	Up to 65W	
Chassis	ACP-4340MB-50B - 4U Industrial Rackmount ATX Chassis with 4x Hot-Swap Drives Bays	
Power Supply	500W 80 Plus Bronze ATX Power Supply	
Graphics	Onboard Intel UHD Graphics 770	

System Specification

Specification	VELA-IPC-RPL-4U-i5	VELA-IPC-RPL-4U-i7
I/O		
Ethernet	1x 2.5GbE, 1x Gigabit Ethernet	
Display	HDMI, VGA	
USB Rear	4x USB3.2, 2x USB2.0	
USB Front	2x USB2.0	
USB Internal <i>(Requires Breakout Cable)</i>	2x USB2.0 (Header), 2x USB2.0 (Type-A)	
Serial	2x RS-232	
Serial Internal <i>(Requires Breakout Cable)</i>	3x RS-232, 1x RS-232/422/485	
Storage & Expansion		
M.2	1x M.2 2280 M-key (PCIe Gen4 x4)	
Drive Bays	4x Hot-Swap 3.5"/2.5" SATA HDD Trays; 1x 2.5" Internal Drive Bay; 1x Slim Optical	
RAID	-	
PCIe	1x PCIe Gen4 [x16], 2x PCIe [x4] (x2 Link)	
PCI	4	

System Specification

Specification	VELA-IPC-RPL-4U-i5	VELA-IPC-RPL-4U-i7
Security & Remote Management		
IPMI	No	
TPM	Via TPM2.20 Module	
Security	Intel Platform Trust Technology (Intel PTT) Ready for Windows 11. (VPro Requires TPM2.0 Module)	
Mechanical & Environmental		
Dimensions (W x H x D)	482 x 177 x 479	
Operating Temperature	0°C to +40°C	
Mounting	Rackmount - Slide Rails Ordered Separately	
Warranty	3 Years Return to Base	

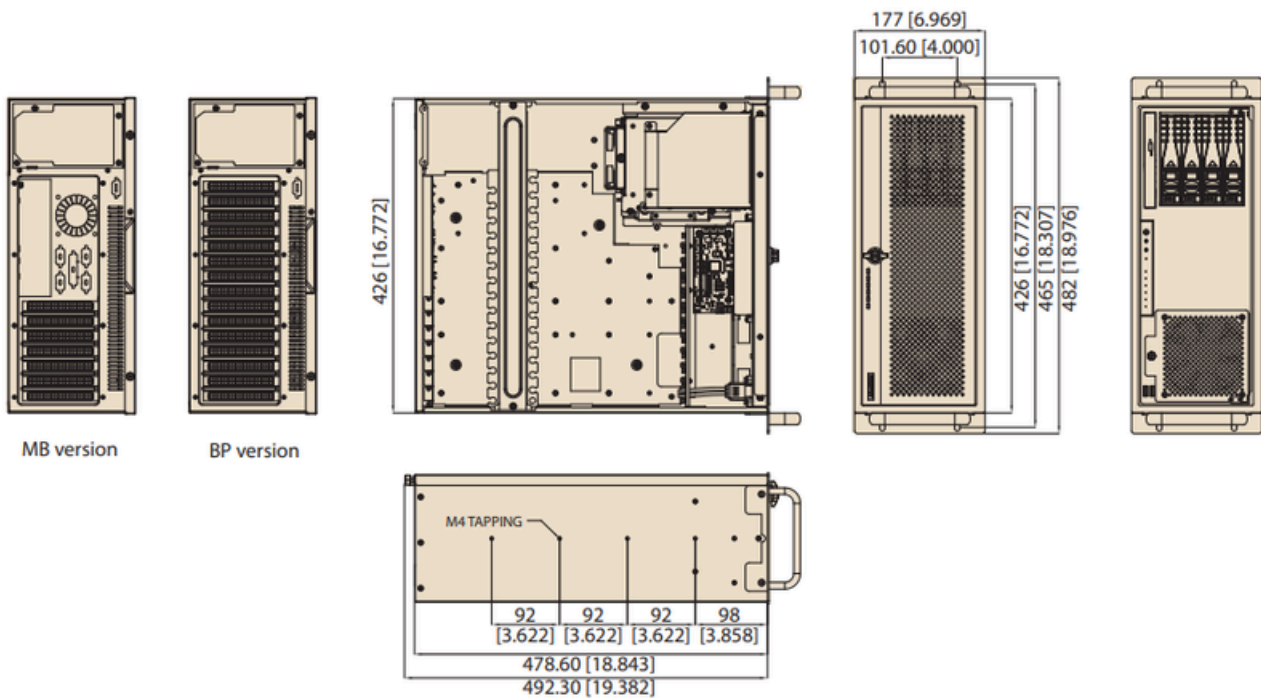
Ordering Information

Model	Processor	Memory	Storage
VELA-IPC-RPL-4U-i5	13 th Gen Intel Core i5-13500E	8GB	256GB
VELA-IPC-RPL-4U-i7	13 th Gen Intel Core i7-13700E	32GB	1TB

Configuration note: The specifications above define the two standard orderable VELA-IPC-RPL-4U 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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