

VELA-GPU-RPL-TWR



Key Features

- ◆ NVIDIA RTX GPU acceleration.
- ◆ Configurable CPU, memory, storage, I/O and OS options available.
- ◆ Ideal for AI development, inference, machine vision, video processing and simulation.
- ◆ Built with in-stock components for quick dispatch and long-term support.

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

System	
Chassis Form Factor	Tower
CPU	LGA1700 socket for 14th/13th/12th Gen. Intel Core i9/i7/i5/i3 processor (CPU TDP max. up to 65W)
CPU Cooler	125W 2U/4U CPU Cooler for LGA 1700/1851 Socket
Motherboard	AIMB-788G2-00A1 - 14th/13th/12th Gen Intel Core i9/i7/i5/i3 Q670E LGA1700 Industrial ATX Motherboard
Memory	4x 288-PIN DDR4 3200MHz Up to 128GB
Computer Power Supply	500W 80-Plus Bronze ATX Power Supply

I/O		Storage, Expansion & Management	
USB (External)	4x USB 3.2 (Rear), 6x USB 2.0 (Rear) 2x USB3.0 (Front)	Internal Storage	1x M.2 2280 M-key (PCIe Gen 4 x4), 1x 3.5" SATA III Bay
Serial Ports	1x RS-232 (DB9), 4x RS-232 (Header), 1x RS-232/422/485 (Header)	Expansion	1x PCIe Gen4 (x16), PCIe Gen 3 (x8), 3x PCIe Gen 3 (x4), 2x PCI
LAN	2x 10/100/1000 Mbps (RJ45)	External Drive Bays	2x 2.5"/3.5" SATA III Hot-Swap Drive Bays
Display	1x HDMI, 1x DisplayPort, 1x VGA	RAID, vPRO, AMT & TPM	RAID 1/0 Supported TPM2.0

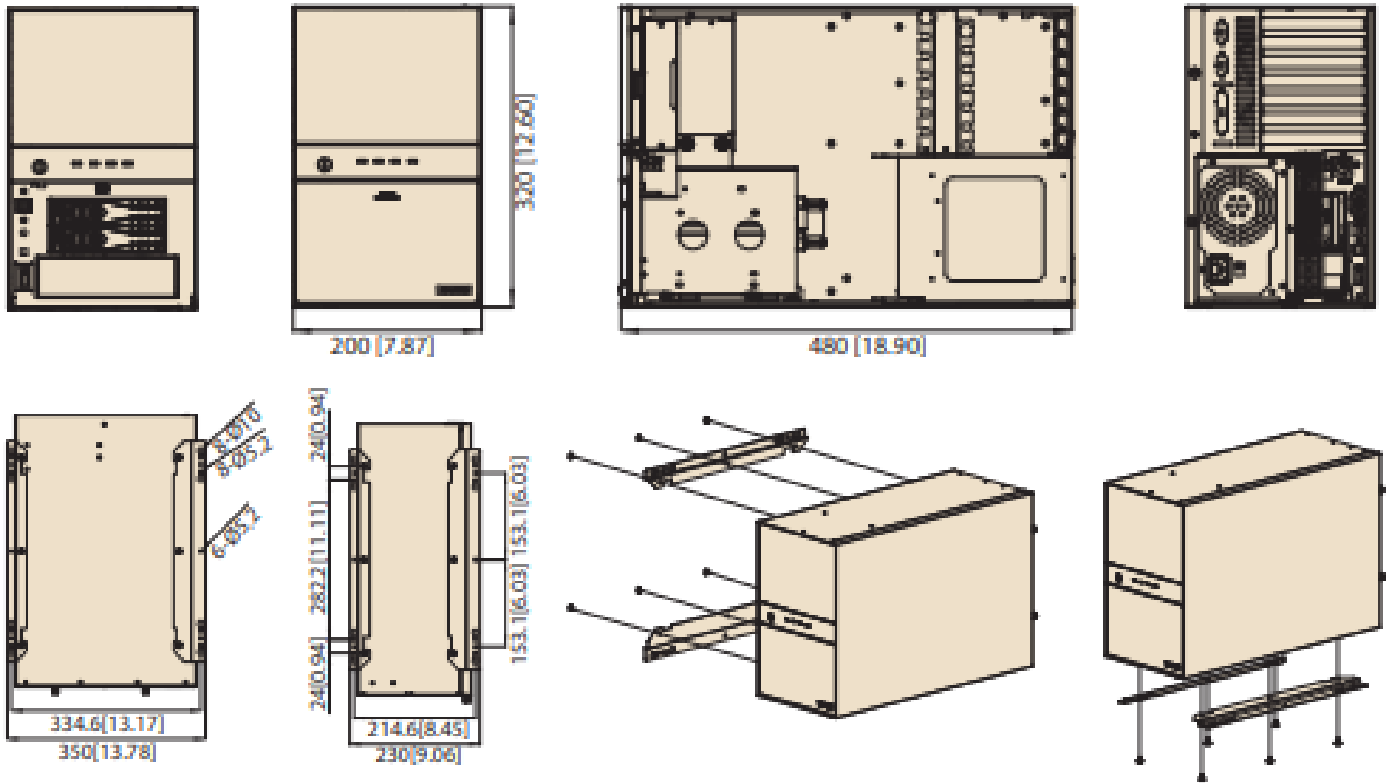
Mechanical, Environmental & Regulatory

Operating Temperature	0°C to +60°C
Dimensions (WxHxD mm)	200 x 480 x 320
Operating System	Windows 11/10, Linux
Mounting Options	-
Market Certifications	CE, RoHS

Other

Warranty	3 Years Return to Base
-----------------	------------------------

Dimensions



Models

VELA-GPU-RPL-TWR-i7	13th Gen Intel Core i7-13700E Industrial Tower GPU Computer
VELA-GPU-RPL-TWR-i9	13th Gen Intel Core i9-13900E Industrial Tower GPU Computer