

Features

- Intel 9th Generation Core i3/i5/i7 CPU
- Up to 4x Expansion Slots
- Support for Nvidia GPUs up to 75W TDP
- Wide Operating Temperature of -20°C to 60°C
- Easily Accessible SATA3 Storage Bays



Technical Specifications

General

Expansion Slots

Internal Mini PCIe	1x Mini-PCIe
Internal M.2	1x M.2 for NVME SSD Support
PCI	Optional
PCIe Slot	Optional
PCIe Expansion Details	Standard is one x16 and one x4 on the 2 slot option, and one x16 and two x4 on the 4 slot option. Configurable for projects.
video card support	75W TDP or less and 180mm in length or shorter. Compatible cards include Nvidia T1000, GTX 1650, RTX A2000, and AMD W6400

Primary Components

Multimedia

Processor Family	Intel Core-I Series 9th Generation Coffee Lake
Processor Model	35W CPUs (Fanless) i3-9100TE; i5-9500TE (Standard); i7-9700TE
Processor Speed	Up to 3.8 GHz Turbo
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage type	2x 2.5" SATA Drive Bay for SSD/HDD (easily accessible), 1x M.2 2280 NVME SSD slot
Storage support	Accessible Bays Support RAID 0/1, 64GB-2TB

Display		Thermal and Environmental	
		Operating Temperature	Array (-4°F – 140°F (i3/i5 CPU), -4°F – 122°F (i7 CPU))
		Storage Temperature	Array (-40°F – 185°F)
		Storage Humidity	10% – 90% Non-condensing
		Cooling Solution	Passive – Fanless with Heatsink
Touch Screen		Enclosure	
		Material	Aluminum, Steel
		Color	Black
		Control Buttons	Power Button
		Mounting Options	DIN Rail Mount, Table Mount, Wall Mount
External I/O ports		Peripherals & Wireless Connectivity	
USB	4x USB 3.2	WiFi	Optional WIFI b/g/n/ac
Serial / Com	2x COM	BlueTooth	Optional Bluetooth 4.0
Serial Protocol Detail	1x RS-232/422/485, 1x RS-232		
Ethernet / LAN	2x RJ45 GbE LAN		
Video Outputs	1x HDMI, 1x VGA		
Other Ports	Optional 2 additional LAN, 2 additional USB 3.2, 8-bit GPIO		
Power Input Port	3-Pin DC-In (Phoenix Type)		
Power		Dimensions / Weight	
Input Voltage Range		Weight	3.4 KG (7.5 lbs)
		Dimensions	220 x 190 x 77 mm (8.7 x 7.5 x 3.0 in)
Battery		Certification	
		Certifications	CE, FCC Class A, IEC 61000-3-2 (EMC), IEC 61000-3-3 (EMC), IEC 61000-4 (ESD), EN 55032/55035 and CISPR 32/35, ANSI C63.4
Operating Systems		Warranty	
Windows	Windows 11 Pro, Windows 10 IoT, Windows 10 Pro	Warranty	Up to 5 Years
Linux	Linux, Linux Ubuntu 20.04 or above (Contact your sales rep for more information)		

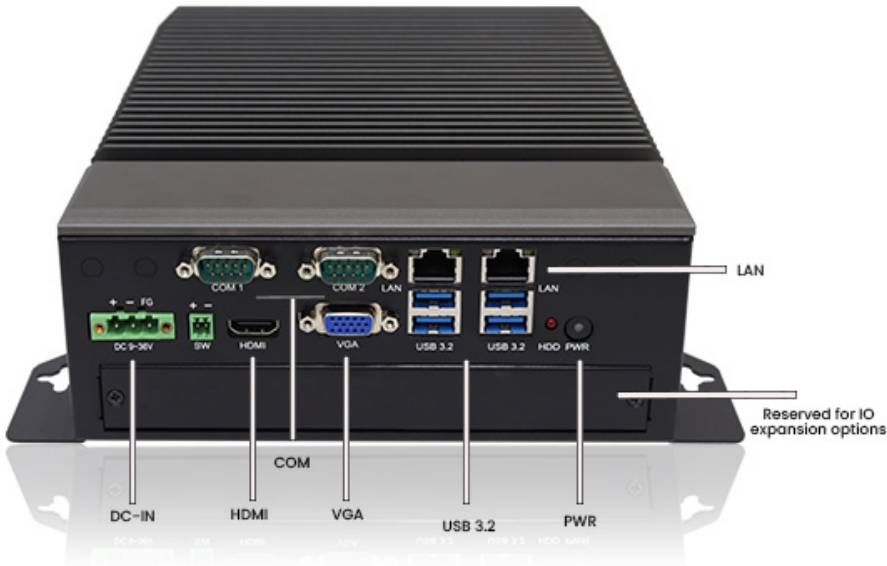
Compatibility

Security Hardware TPM 2.0

Filters

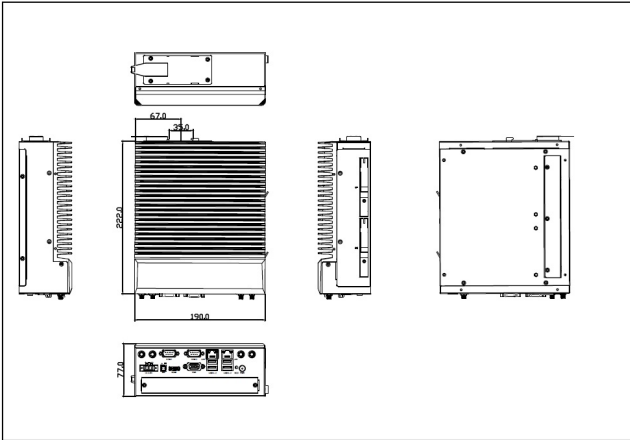
Main Category Filter Industrial Computer

Inputs / Outputs

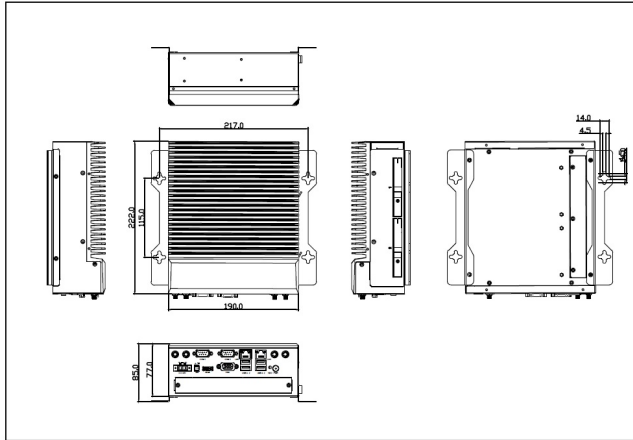


Technical Drawings

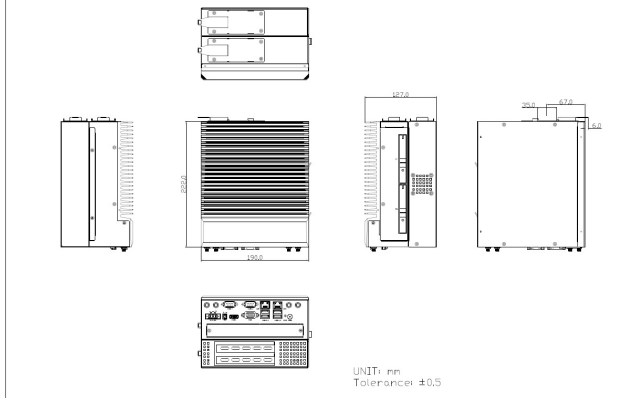
TB-5745-MVS (no expansion) with DIN Mount (option)



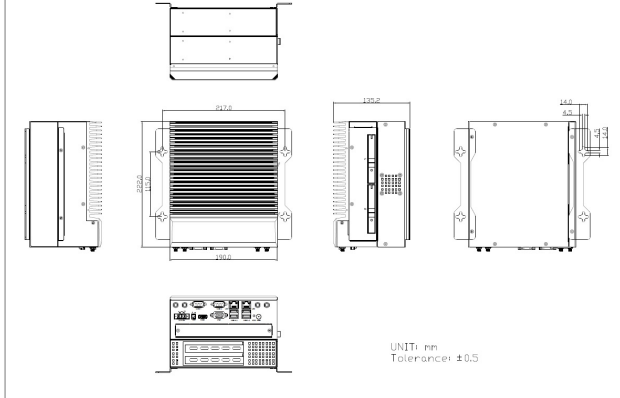
TB-5745-MVS (no expansion) with Wall Mount (standard)



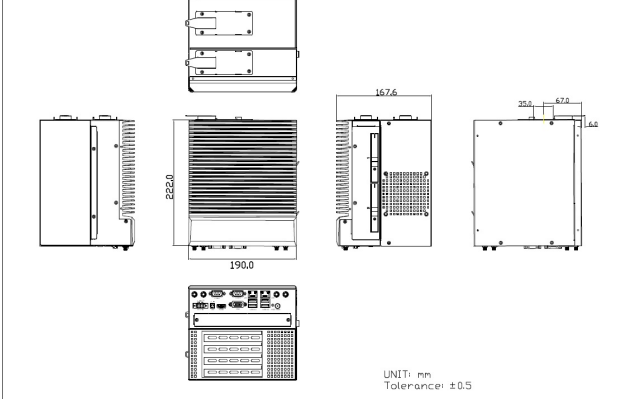
TB-5745-MVS X2 Expansion with DIN Mount (option)



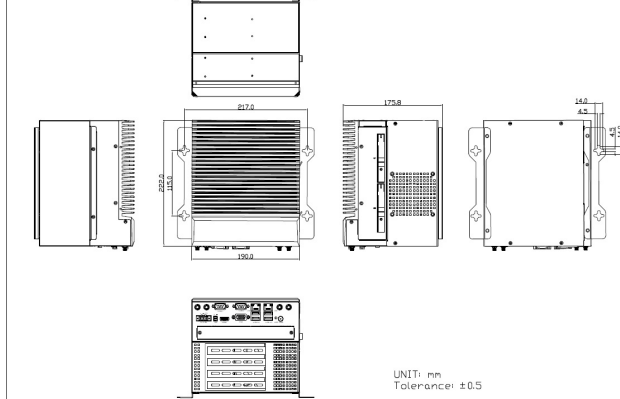
TB-5745-MVS X2 Expansion with Wall Mount (standard)



TB-5745-MVS X4 Expansion with DIN Mount (option)



TB-5745-MVS X4 Expansion with Wall Mount (standard)



All specifications are subject to change without notice.