

TB-7145-MVS

Rugged AI Platform PC



Key Highlights

- Raptor Lake processor from Intel's 13th Generation
- Windows 11 capability
- Optional input/output additions
- PCIe slot expansions (2X or 4X) for use of up to three PCIe cards
- Includes wall mounting, or a DIN rail-compatible variant
- Fanless, rugged build

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Host your next computing project on the rugged AI platform PC: a processor that handles tough tasks, in a box that handles tough environments. This PC's three different forms offer different amounts of PCIe slots to suit your needs. Utilize the PCIe x4 slots for Ethernet network adapters, 4K video capture cards for medical monitoring or data streaming, and raid controllers. Save the PCIe x16 slot for the big jobs — a powerful Nvidia graphics card will fit right in using the 4X expansion's extra height. With these opportunities for expansion, IO additions, the processing power to support the most complex of machine inferencing, and a fanless, durable build, the rugged AI platform PC is built to hold down the fort where other PCs can't hold up.

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Technical Specifications

Primary Components	
Processor Family	Intel Core I series 13th Generation Raptor Lake
Processor Model	Core i3-13100TE Optional, Core i5-13500TE Optional, Core i7-13700TE Optional
Processor Speed	Bis zu 4,8 GHz
Memory Type	2x DDR5 SO-DIMM
Memory Support	8GB, 16GB, 32 GB, 64 GB
Storage Type	1x M.2 NVME SSD-Steckplatz (2242/2280), 2x 2,5" SATA Laufwerksschacht für SSD/HDD (leicht zugänglich)
Storage Support	M.2 und 2,5 Zoll: 256 GB - 1 TB, Zugängliche Einschübe unterstützen RAID 0/1

Power	
Input Voltage Range	9-32V Gleichstrom
Standard Power Adapter	300 W Kein Erweiterungssteckplatz - KEIN PCIe, Erweiterungssteckplatz 2x PCIe und 4x PCIe verwenden 450 W

Compatibility	
Security Hardware	TPM 2.0, Unterstützt Intel Vpro i5/i7

Thermal & Environmental	
Operating Temperature	-20°C - 60°C - -20°C - 50°C (-4°F - 140°F (i3/i5 CPU), -4°F - 122°F (i7 CPU))
Storage Temperature	-40°C - 85°C (-40°F - 185°F)
Cooling Solution	Passiv - Lüfterlos mit Kühlkörper
Storage Humidity	10% - 90% Non-condensing

Peripherals & Wireless Connectivity	
WiFi	Optionales WiFi A/B/G/N/AC/AX -6 über M.2 E-Key-Steckplatz
Bluetooth	Optionales Bluetooth 5.3
Sim Card	1x Nano-SIM-Kartensteckplatz

Certification	
Certifications	FCC- und CE-konform

Warranty	
Warranty	Bis zu 5 Jahre

Specifications subject to change.

External I/O Ports	
USB	4x USB 3.2 Anschlüsse
Serial / Com	4x COM
Serial Protocol Detail	RS-232 Standard/RS-422/RS-485
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort, unterstützt DP++, 1x HDMI
Other Ports	Optional 2x zusätzliches 2,5GbE LAN, 2 zusätzliche USB 3.2, 8-Bit GPIO
Audio Ports	1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack
Power Input Port	3-poliger DC-Eingang (Phoenix-Typ)

Operating Systems	
Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
Linux	Linux Ubuntu 22.04 oder höher (Wenden Sie sich für weitere Informationen an Ihren Vertriebsmitarbeiter)

Expansion Slots	
Internal M.2	1x M.2 2230 Key E (für WiFi-Erweiterungsoption), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option)
Video Card Support	125 W PCIe x16

Enclosure	
Material	Aluminium, SECC Stahl-Fahrgestell
Color	Black
Led Indicator Light	Power
Control Buttons	Ein-/Aus-Taste
Mounting Options	DIN-Schienenmontage, Wandhalterung

Weight / Dimensions	
Weight	3.9 kg (8.6 lbs)
Dimensions	222 x 190 x 93 cm mm (8.7 x 7.5 x 3.7 in)

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A. Audio Line-Out
B. Microphone
C. DC Input 9~32V
D. DisplayPort
E. HDMI

F. 2x LAN
G. 4x USB 3.2
H. 4x COM

USA

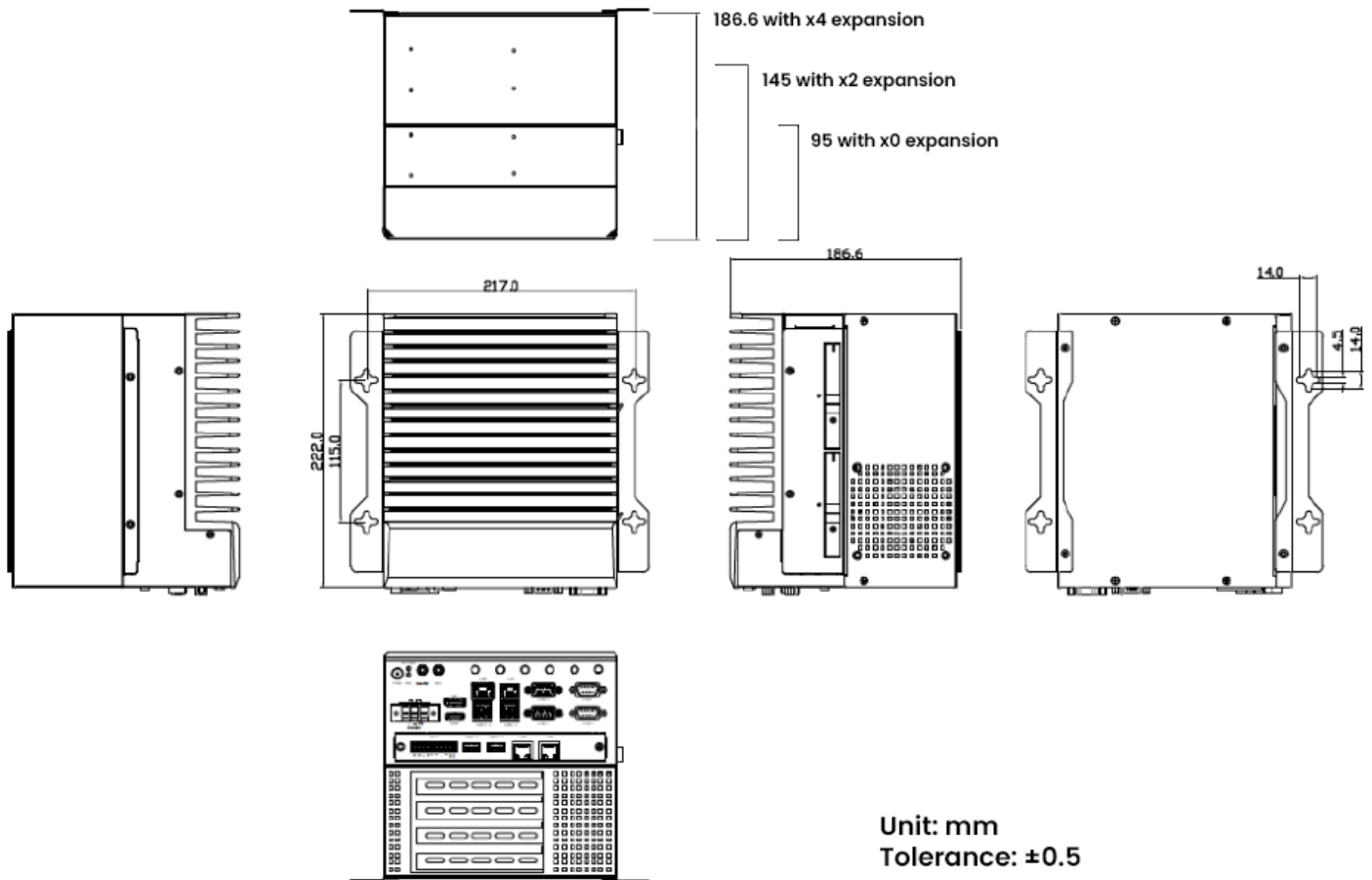
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