

TB-5945

Industrial PC



Key Highlights

- 11th Generation Core i Processor
- Windows 11
- Fanless Operation
- TPM 2.0 Security and Encryption
- Optional I/O Expansions

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The Industrial PC is a pivotal asset in modern manufacturing environments, combining robust hardware and top-of-the-line features to streamline operations. Powered by an 11th Gen Core i processor, it ensures swift and efficient performance for demanding tasks. With multiple I/O expansion options, including TPM 2.0 security, it provides flexibility to adapt to diverse manufacturing needs, facilitating seamless integration with machinery, sensors, and other peripherals. This comprehensive solution empowers manufacturing processes with reliability, security, and efficiency, driving productivity to new heights.

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Technical Specifications

Primary Components	
Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i3-1115G4E
Processor Speed	2.2 GHz, Up to 3.9 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x M.2 SATA3 2280 Slot
Storage Support	M.2: 256GB-1TB

Power	
Input Voltage Range	9-36V DC
Max Power Consumption	28W
Standard Power Adapter	19Vdc, 6.3A, 120W

Expansion Slots	
Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)
Other	Optional Daughter Boards for various I/Os

Enclosure	
Material	Aluminum
Color	Black
Mounting Options	VESA 100 Mount

Weight / Dimensions	
Weight	1.05 kg (2.3 lbs)
Dimensions	252.7 x 158.7 x 36 mm (9.9 x 6.2 x 1.4 in)

Certification	
Certifications	CE, FCC

Specifications subject to change.

External I/O Ports	
USB	4x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	COM1 RS-232, COM2 RS-232/422/485 via Y-CABLE Included
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x DP-1.4/HDMI combo Video Out
Audio Ports	1x 3.5mm Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

Operating Systems	
Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro

Compatibility	
Security Hardware	TPM 2.0

Thermal & Environmental	
Operating Temperature	-20°C - 60°C (-4°F - 140°F)
Storage Temperature	-30°C - 70°C (-22°F - 158°F)
Cooling Solution	Passive - Fanless with Heatsink
Humidity Range	10% - 90% Non-condensing
Storage Humidity	10% - 90% Non-condensing

Peripherals & Wireless Connectivity	
WiFi	Wi-Fi 6 optional
Bluetooth	Optional Bluetooth 5.1
Sim Card	1x Nano SIM Card Slot

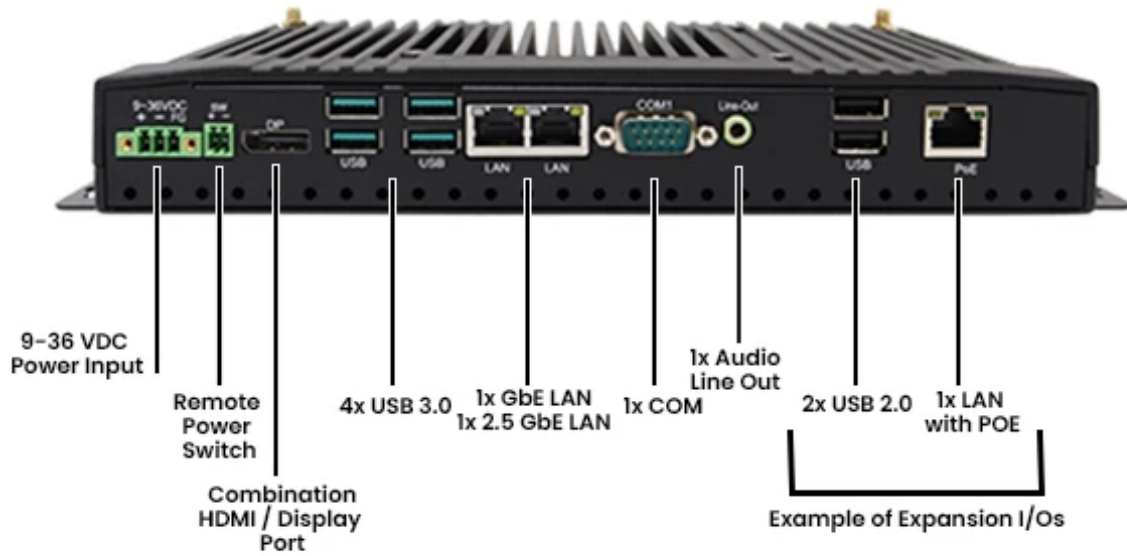
Warranty	
Warranty	Up to 5 Years

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I/O Diagram Images



USA

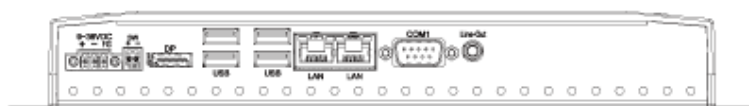
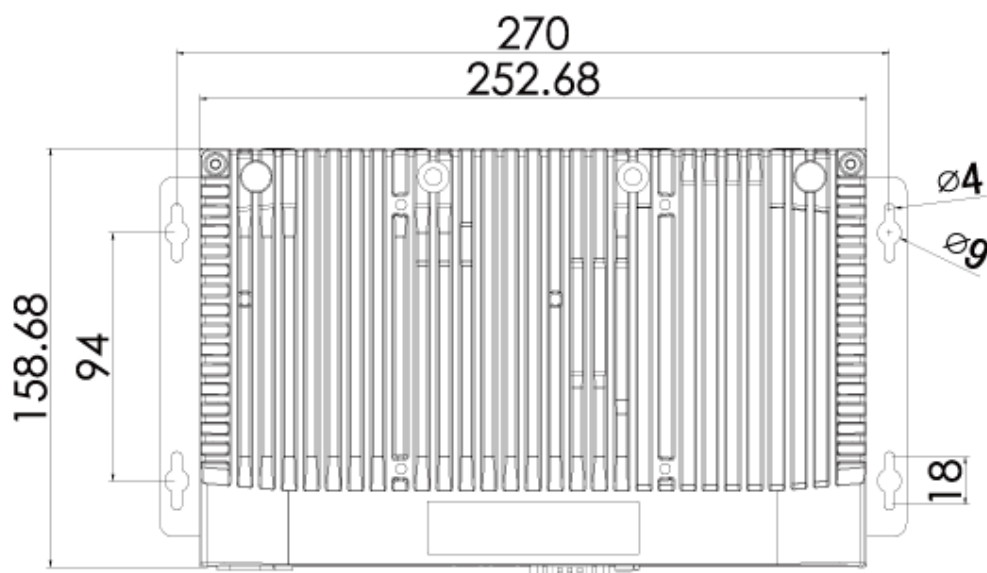
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UNIT: mm
Tolerance: ± 0.5

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