

# 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
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**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
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## Compatibility

Security Hardware	TPM 2.0
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## 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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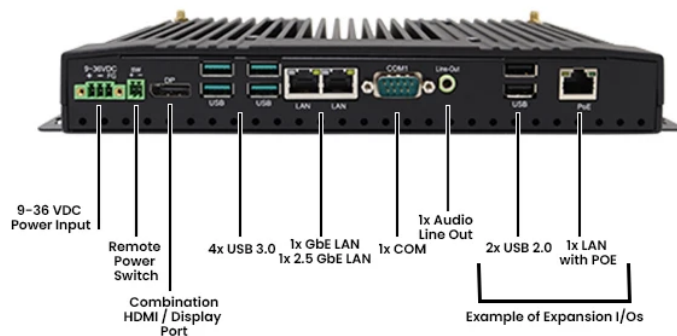
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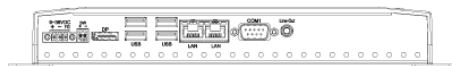
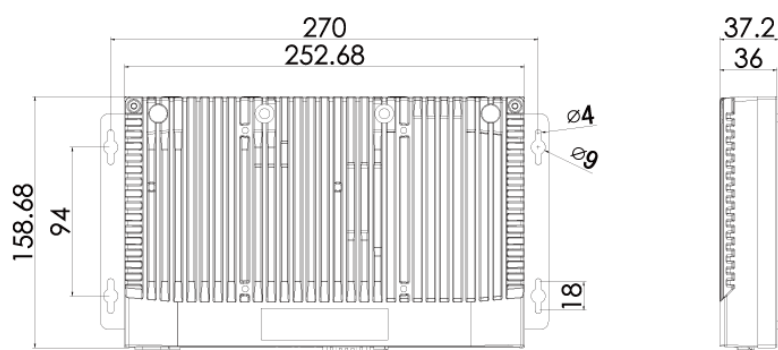
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## I/O Diagram Images



## Tech Diagram Images



UNIT: mm  
Tolerance:  $\pm 0.5$

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