

# TB-5545

## Fanless Computer TB-5545



### Key Highlights

- Intel 7th Gen. Kaby Lake Core i3/i5/i7 CPU
- Optional DIN Rail Mount
- Easy-Access Storage Bay
- 2x SO-DIMM, up to 32GB DDR4 Memory
- Three Independent Video Outputs
- 4x GbE LAN Ports

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The TB-5545 fanless industrial computer has a non-standard motherboard and innovative design. This PC was developed to accommodate abundant peripheral interfaces and its Intel Core i3/i5/i7 CPU supports two DDR4 SO-DIMM slots with up to 32GB RAM. The DIN rail mount option allows for easy integration into your factory line and for easy installation. At just 277 mm wide (about 10-inches), this embedded PC delivers maximum impact in a small form factor. The TB-5545 can be used as an industrial control system or connected to multiple monitors that support 4K resolution. [Read the Product Review from RuggedPCReview >](#)

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# Technical Specifications

## Primary Components

<b>Processor Family</b>	Intel Core I series 7th Generation Kaby Lake
<b>Processor Speed</b>	Base 3.40 GHz
<b>Memory Type</b>	2x DDR4 SO-DIMM
<b>Memory Support</b>	4GB, 8GB, 16GB, 32GB
<b>Storage Type</b>	2x 2.5" SATA Drive Bay for SSD/HDD (easily accessible)
<b>Storage Support</b>	32GB-2TB, Accessible Bays Support RAID 0/1

## Power

<b>Input Voltage Range</b>	9-36V DC
<b>Max Power Consumption</b>	61W

## Thermal & Environmental

<b>Operating Temperature</b>	-20°C - 60°C - -20°C - 50°C (-4°F - 140°F (i3/i5 CPU), -4°F - 122°F (i7 CPU))
<b>Storage Temperature</b>	-40°C - 85°C (-40°F - 185°F)
<b>Cooling Solution</b>	Passive - Fanless with Heatsink
<b>Humidity Range</b>	10% - 90% Non-condensing
<b>Storage Humidity</b>	10% - 90% Non-condensing

## Weight / Dimensions

<b>Weight</b>	4.5 kg (9.9 lbs)
<b>Dimensions</b>	277.8 x 230 x 86.7 mm (10.9 x 9.1 x 3.4 in)

## Warranty

<b>Warranty</b>	1 Year
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*Specifications subject to change.*

## External I/O Ports

<b>USB</b>	2x USB 2.0, 4x USB 3.0
<b>Serial / Com</b>	4x COM
<b>Serial Protocol Detail</b>	2x DB9 RS232/422/485, default RS232 (COM1/2), 2x DB9 RS232 (COM3/4)
<b>Ethernet / LAN</b>	4x RJ45 GbE LAN
<b>Video Outputs</b>	1x DisplayPort, 1x DVI-I, 1x HDMI
<b>Other Ports</b>	1x GPIO 8-bit digital I/O (4x DI, 4x DO)
<b>Audio Ports</b>	1x Audio Line-In, 1x Audio Line-Out, 1x Mic-In
<b>Power Input Port</b>	Locking Type

## Operating Systems

<b>Windows</b>	Windows 10 IoT, Windows 10 Pro, Windows 8.1 Pro
<b>Linux</b>	Linux (Contact your sales rep for more information)

## Enclosure

<b>Material</b>	Aluminum, Steel
<b>Color</b>	Black
<b>Led Indicator Light</b>	Power
<b>Control Buttons</b>	Power Button
<b>Mounting Options</b>	DIN Rail Mount, Wall Mount

## Certification

<b>Certifications</b>	CE, FCC Class A
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# I/O Diagram Images



## USA

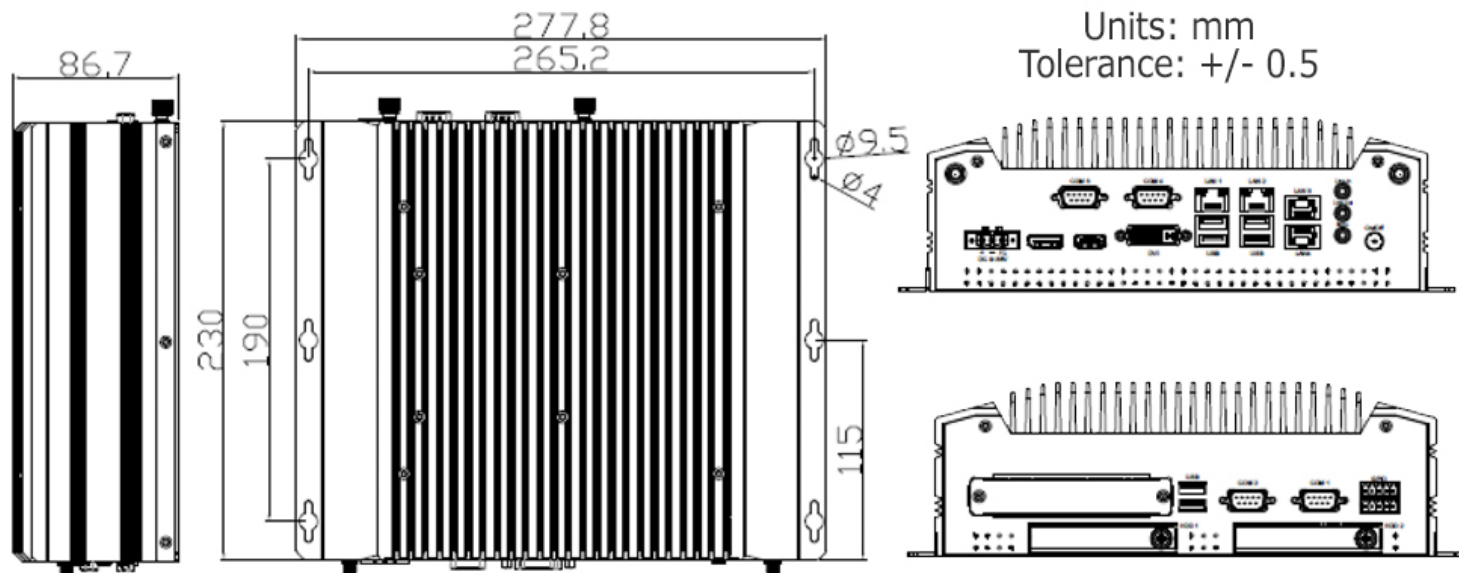
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