

# TB-6185

## Industrial Edge Computer



### Key Highlights

- Intel® 12th Generation Celeron N97 processor, or upgrade to Core i3
- Windows 11 capability
- Many IOs in a compact, fanless build
- DDR5 Memory
- 2.5Gb Ethernet in two LAN ports
- Extended desktop capability with dual display ports

[VIEW ONLINE](#)

The TB-6185 Industrial Edge Computer is ready to be the centerpiece of your industrial systems, with all the features to connect, control, and display. Enjoy fast processing speeds with Intel's 12th Generation Alder Lake processor, with your choice of [Celeron N97](#) or [Core i3](#) to suit your specific needs. The PC's speed and capacity are further enhanced with the latest DDR5 synchronous dynamic RAM. This embedded PC has made the most of its surface area to include every IO you'll need in an endpoint, including DC in and out, two display ports, ten USB ports, and more. With all of these features in a sturdy fanless enclosure, you can rely on the industrial edge computer to be the cornerstone of any industrial application.

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# Technical Specifications

## Primary Components

<b>Processor Family</b>	Intel Celeron or Core I series 12th Generation Alder Lake N
<b>Processor Model</b>	Celeron N97, Core i3-N305
<b>Processor Speed</b>	1.8 GHz, 2.0 GHz, Up to 3.6 GHz, Up to 3.8 GHz
<b>Memory Type</b>	1x DDR5 SO-DIMM
<b>Memory Support</b>	8GB, 16GB, 32GB, 64GB
<b>Storage Type</b>	1x 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 2280 NVME SSD slot
<b>Storage Support</b>	M.2 and 2.5": 128GB - 1TB

## Power

<b>Input Voltage Range</b>	9-36V DC
<b>Max Power Consumption</b>	65W
<b>Standard Power Adapter</b>	DC 19V/65W adapter, US AC power cord

## Expansion Slots

<b>Internal M.2</b>	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option)
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## Enclosure

<b>Color</b>	Black
<b>Led Indicator Light</b>	Power
<b>Control Buttons</b>	Power Switch

## Warranty

<b>Warranty</b>	Up to 5 Years
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*Specifications subject to change.*

## External I/O Ports

<b>USB</b>	2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2
<b>Serial / Com</b>	2x COM
<b>Serial Protocol Detail</b>	COM1: RS-232/422/485, 0V/5V/12V, COM2: RS-232
<b>Ethernet / LAN</b>	2x RJ45 2.5 GbE LAN
<b>Video Outputs</b>	1x DisplayPort, 1x HDMI
<b>Audio Ports</b>	1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack, 1x Audio Line-Out
<b>Power Input Port</b>	DC-in Jack (Phoenix Type), Locking Type

## Operating Systems

<b>Windows</b>	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
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## Compatibility

<b>Security Hardware</b>	TPM 2.0
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## Thermal & Environmental

<b>Operating Temperature</b>	-10°C - 55°C (14°F - 131°F (With WT devices))
<b>Humidity Range</b>	10% - 90% Non-condensing
<b>Storage Humidity</b>	10% - 90% Non-condensing

## Weight / Dimensions

<b>Weight</b>	1.38 kg (3.0 lbs)
<b>Dimensions</b>	200 x 55 x 150 mm (7.9 x 2.2 x 5.9 in)

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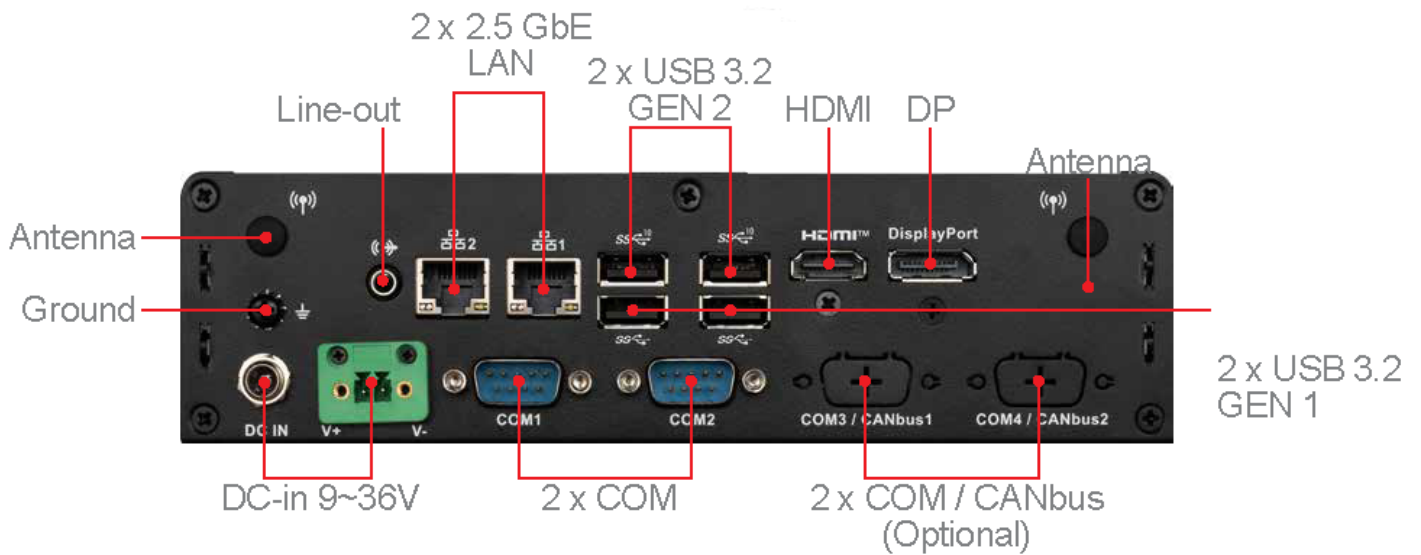
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## I/O Diagram Images



### USA

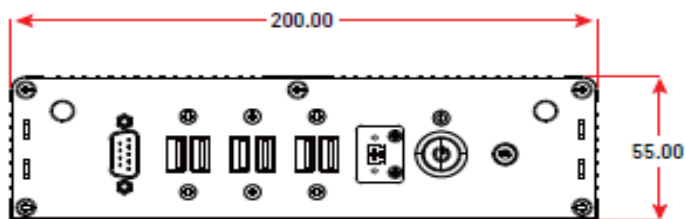
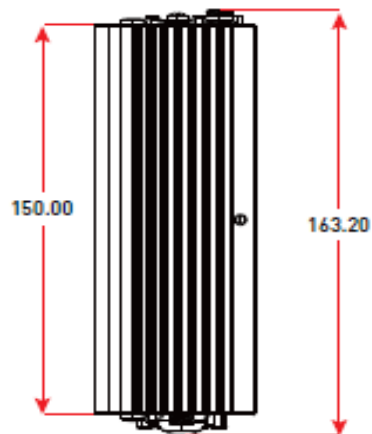
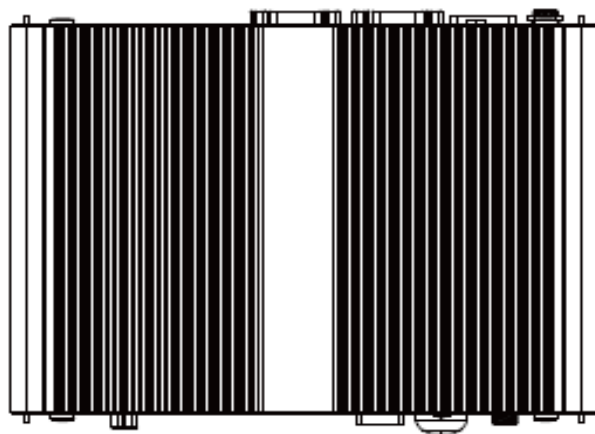
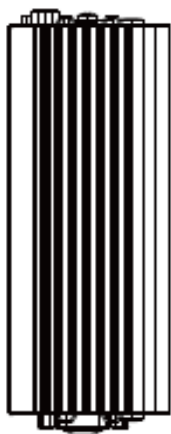
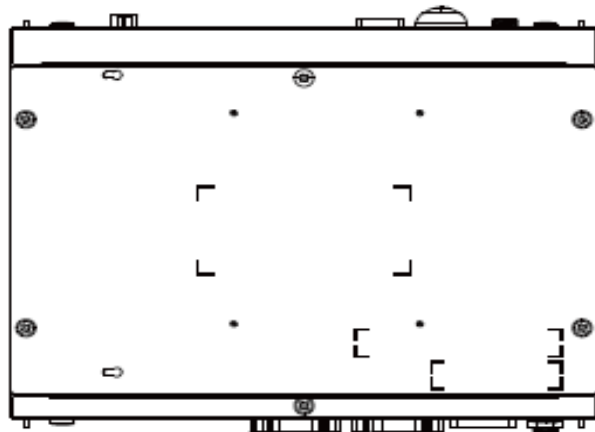
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