TEGUAR

TB-5913

Industrial Embedded Box PC



Key Highlights

- Intel 11th Generation Core i5 CPU
- Multiple Inputs and Outputs including 3x USB-C, 2x LAN, 2x HDMI, and more
- VESA and Wall Mountable
- Windows 11 Capabilities
- Small and Compact Design

VIEW ONLINE

The TB-5913 Industrial Embedded Box PC is a powerful solution tailored for industrial use, particularly in environments where high power in a compact setting is essential. Its small and space-saving design makes it an ideal choice for installation with limited space. Its price point provides an economical solution without compromising on performance. Powered by an Intel 11th Generation Core i5 processor, it delivers impressive processing power for demanding industrial applications. The fanless design ensures reliable and silent operations, while including Windows 11 brings enhanced security and productivity features. The TB-5913 is the perfect fit for industries that require high power in a small footprint.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i5-1135-G7
Processor Speed	Up to 4.2 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x M.2 2280 SSD slot, SATA3 or NVME
Storage Support	M.2: 64GB-1TB

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
Linux	Linux, Linux Ubuntu 20.04 or above (Contact your sales rep for more information)

Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)

Enclosure

Material	Aluminum
Color	Black
Control Buttons	Power Button
Mounting Options	VESA 100 Mount, Wall Mount

Weight / Dimensions

Dimensions	150 x 109 x 75 mm (5.9 x 4.3 x 3.0 in)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

External I/O Ports

USB	2x USB 3.2, 3x USB Type C
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	2x HDMI
Audio Ports	1x 3.5mm Audio Line-Out/Mic-In
Power Input Port	2.5mm DC-in Jack

Power

Input Voltage Range	12-24V DC
Max Power Consumption	80W
Standard Power Adapter	90W AC/DC adapter included

Compatibility

Security Hardware	fTPM 2.0

Thermal & Environmental

Operating Temperature	-10°C - 50°C (14°F – 122°F)
Storage Temperature	-40°C - 85°C (-40°F – 185°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 95% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WIFI 802.11ac
Bluetooth	Optional Bluetooth 5.1

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I/O Diagram Images

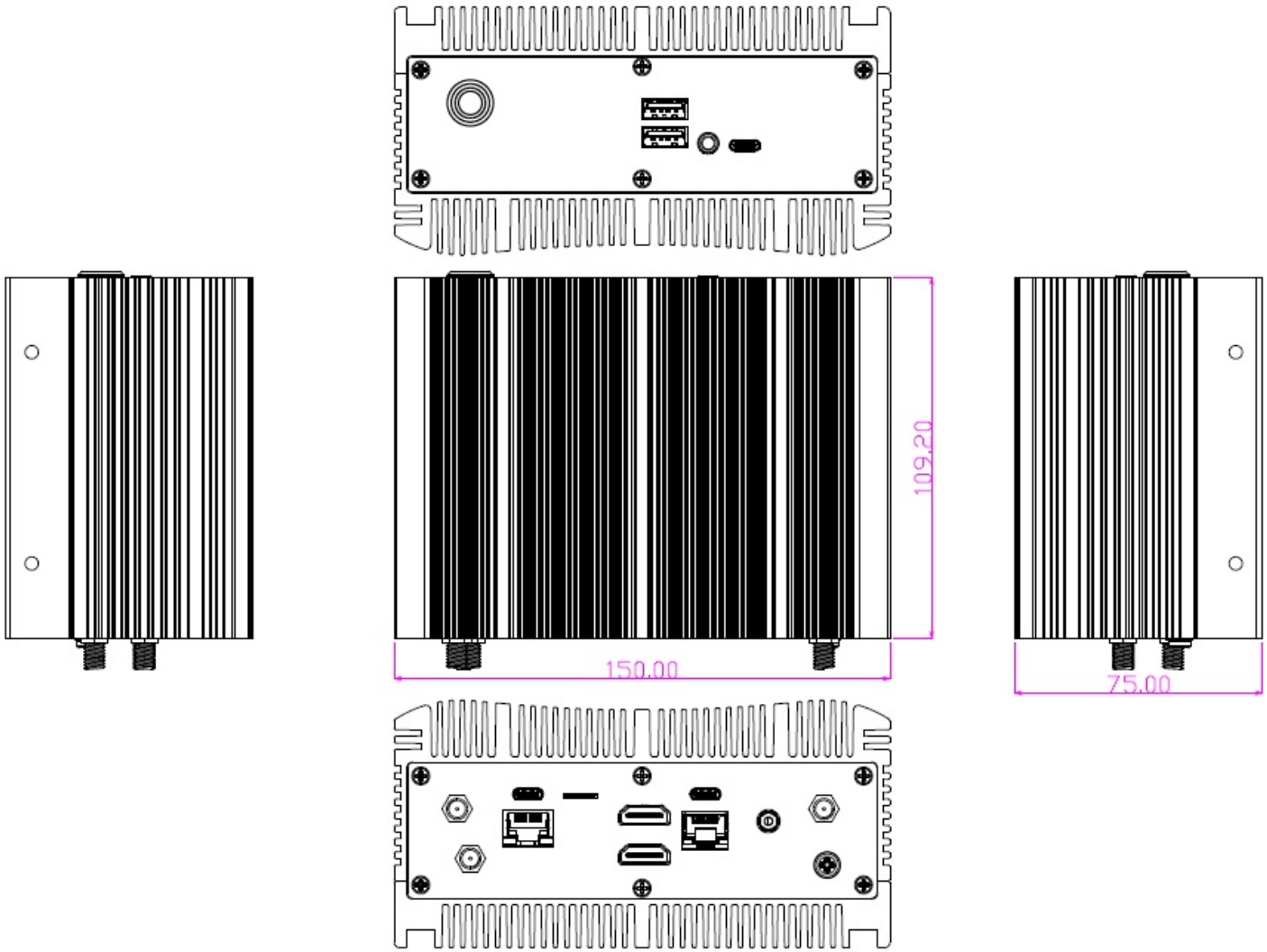


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Tech Diagram Images



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