TEGUAR

TB-4045-DIN

DIN Mountable Fanless PC



Key Highlights

- Intel Quad-Core Celeron J1900 CPU
- Wide Operating Temp (-20°C – 70°C)
- DIN Rail Mountable
- Fanless, Rugged Housing

VIEW ONLINE

The TB-4045-DIN is built for tough environments where dust, heat and machine vibration would damage a consumer-grade computer. It can be mounted onto a DIN rail on your production line, in a control cabinet or on your shop floor. The TB-4045-DIN is fanless and has a wide operating temperature range. Overall, it is much more rugged and reliable than a consumer-grade PC, but comes in at a similar price-point, allowing you to save overall cost, by cutting down on costly downtime and repairs or replacements.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Bay Trail
Processor Model	J1900 Quad Core
Processor Speed	2.0 GHz
Memory Type	1x DDR3L SO-DIMM
Memory Support	4GB, 8GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD, mSATA
Storage Support	32GB-2TB

Power

Input Voltage Range	9-36V DC, 24V required if POE out is utilized

Thermal & Environmental

Operating Temperature	-20°C - 70°C (-4°F – 158°F)
Storage Temperature	-40°C - 85°C (-40°F – 185°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Weight / Dimensions

Weight	1.85 kg (4.1 lbs)
Dimensions	180 x 130 x 39.5 mm (7.1 x 5.1 x 1.6 in)

External I/O Ports

USB	1x USB 2.0, 1x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232/422/485 DB-9 (COM1), 1x RS-232 DB-9 (COM2)
Ethernet / LAN	3x RJ45 GbE LAN
Video Outputs	1x HDMI, 1x VGA
Other Ports	2 LAN ports support POE out (802.3af-combined 50W budget), 1x 8-bit GPIO (4x DI, 4x DO)
Audio Ports	1x Audio Line-Out
Power Input Port	2-Pin Power Switch, 3-Pin DC-In (Phoenix Type)

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 7 Pro
Linux	Linux (Contact your sales rep for more information)

Enclosure

Material	Titanium Aluminum
Color	Black, Gray
Mounting Options	DIN Rail Mount

Certification

Certifications	ANSI C63.4, CE, FCC Class A, IEC 61000-3-2 (EMC), IEC 61000-3-3 (EMC), IEC 61000-4 (ESD)

Warranty

Warranty	Up to 5 Years

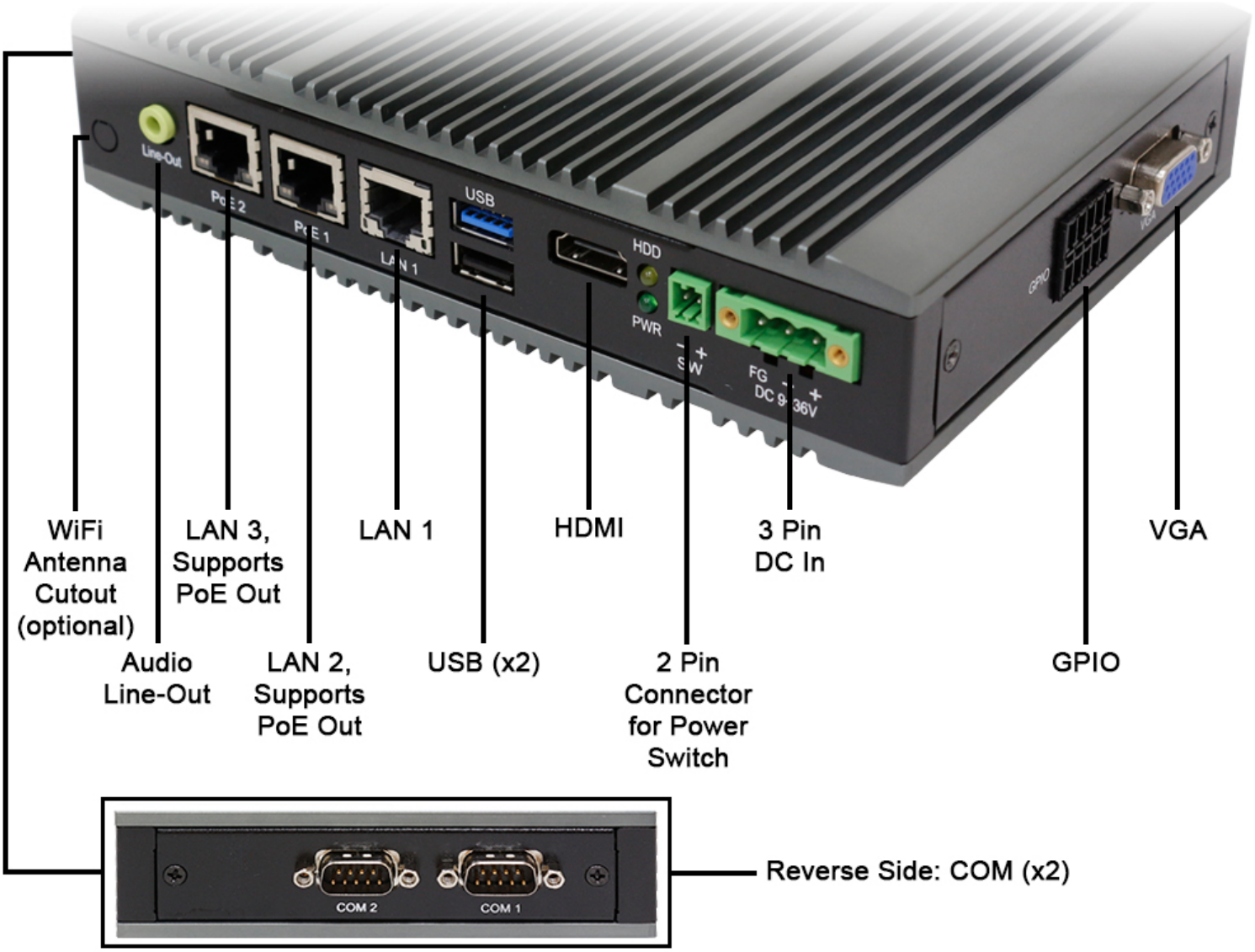
Specifications subject to change.

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I/O Diagram Images

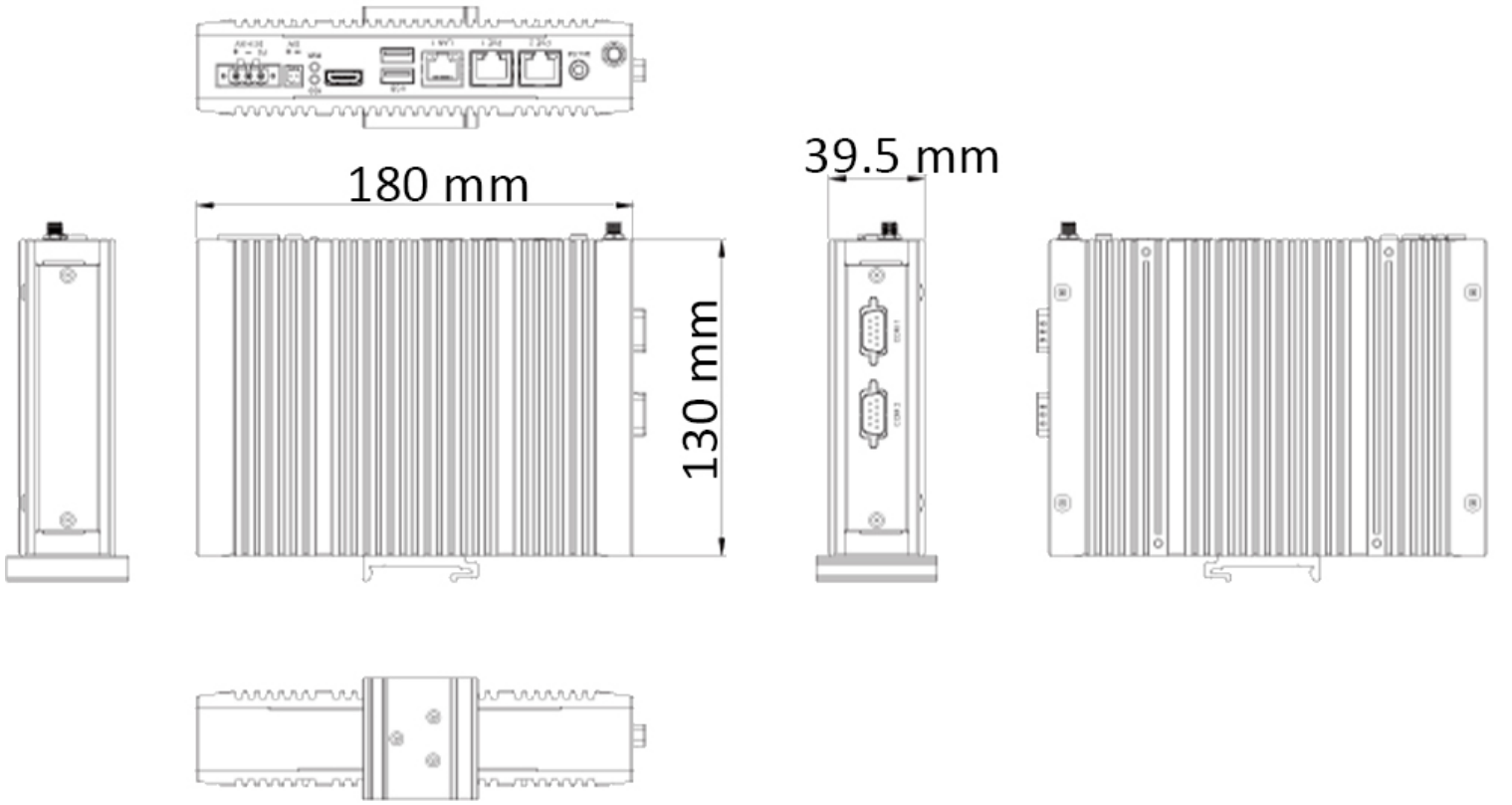


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Tech Diagram Images



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