

TB-4845-DIN

Industrial Mini PC DIN

Key Highlights



- Intel Celeron J6413 Processor
- Windows 11 Capabilities
- Fanless Cooling System
- DIN Rail mounting options
- Multiple Inputs and Outputs including 5x USB, 3x LAN and 2x COM

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The TB-4845-DIN is a compact and powerful computing solution tailored for industrial applications. Equipped with an Intel Celeron J6413 CPU and running on Windows 11, it provides reliable performance and access to the latest software capabilities. With its DIN rail hardware design, it seamlessly integrates into space-constrained environments, making it ideal for general manufacturing setups. The TB-4845-DIN features multiple I/Os, enabling seamless connectivity with a variety of peripheral devices. This solution offers the perfect combination of compactness, power, and connectivity, making it an excellent choice for industrial computing needs in limited spaces.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6413
Processor Speed	1.8 GHz, Up to 3.0 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	32GB
Storage Type	1x M.2 SATA3 2242 Slot
Storage Support	M.2: 256GB-1TB

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro
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Compatibility

Security Hardware	fTPM 2.0
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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
Storage Humidity	10% - 90% Non-condensing

Weight / Dimensions

Weight	1.9 kg (4.2 lbs)
Dimensions	180 x 130 x 55 mm (7.1 x 5.1 x 2.2 in)

Warranty

Warranty	1 Year
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Specifications subject to change.

External I/O Ports

USB	1x USB 2.0 (Internal Type A on Motherboard), 2x USB 2.0, 2x USB 3.1
Serial / Com	2x COM
Ethernet / LAN	3x RJ45 GbE LAN
Video Outputs	1x HDMI, 1x VGA
Other Ports	1x GPIO 8 bit
Power Input Port	DC-in Jack (Phoenix Type)

Power

Input Voltage Range	9-36V DC
Max Power Consumption	40W
Standard Power Adapter	12Vdc, 5A, US AC power cord, 60W

Expansion Slots

Internal M.2	1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option)
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Enclosure

Material	Aluminum
Color	Black
Led Indicator Light	HDD Access, Power
Mounting Options	DIN Rail Mount

Certification

Certifications	CE, EN 55032/55035 and CISPR 32/35, EN50155 EMC, FCC, IEC 61000-3-2 (EMC), IEC 61000-3-3 (EMC), IEC 61000-4 (ESD), RoHS, UKCA
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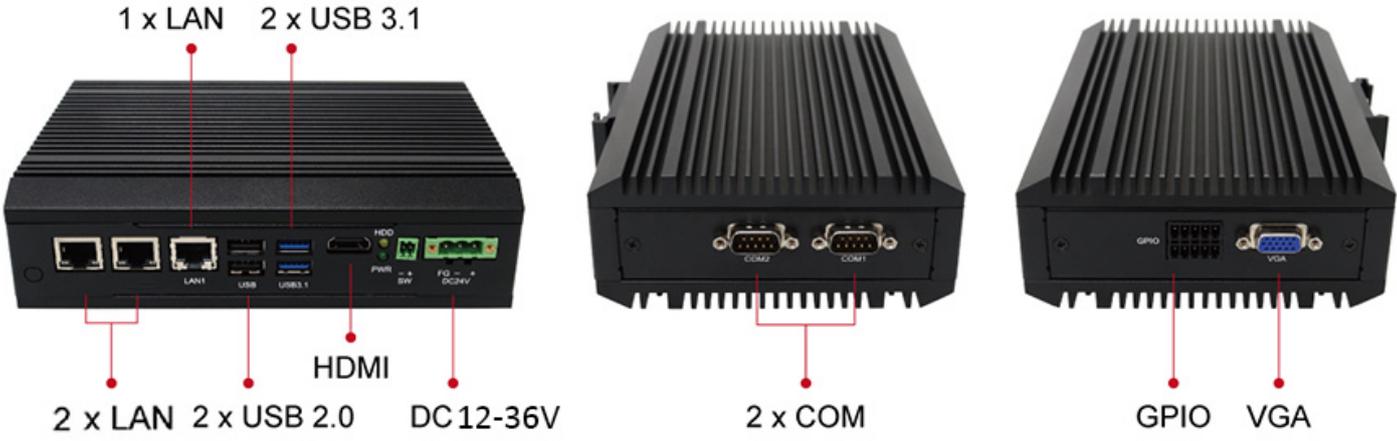
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I/O Diagram Images



USA

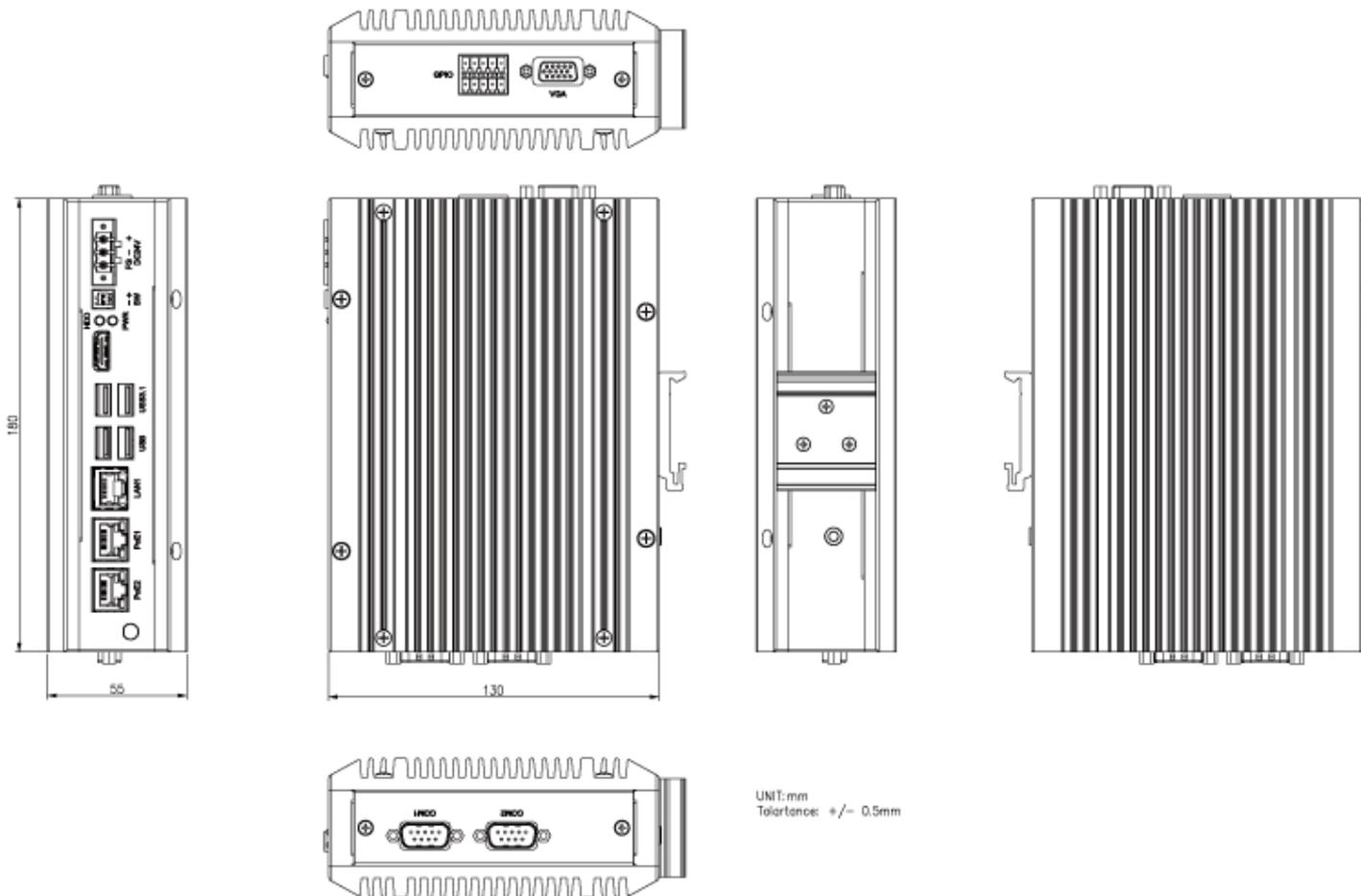
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