

TB-4845-POE

Industrial Mini PC POE



Key Highlights

- Intel Celeron J6413 Processor
- Windows 11 Capabilities
- Fanless Cooling System
- Power over Ethernet, 2x LAN with 30W POE output
- Multiple Inputs and Outputs including 5x USB, 1x LAN and 2x COM

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The TB-4845-POE is a versatile computing solution designed to excel in various industrial applications. Powered by an Intel Celeron J6413 CPU and running on Windows 11, this device delivers reliable performance and supports a wide range of software capabilities. With its POE (Power over Ethernet) feature, the TB-4845-POE becomes an ideal choice for applications such as capturing images on a manufacturing line or deploying cameras in industrial settings. Additionally, its multiple I/Os provide seamless connectivity to peripheral devices, ensuring enhanced flexibility and compatibility. The TB-4845-POE combines power, efficiency, and connectivity, making it an exceptional solution for industrial computing needs.

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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)

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, 2x with 30W POE out
Video Outputs	1x HDMI, 1x VGA
Other Ports	1x GPIO 8 bit
Power Input Port	3-Pin DC-In (Phoenix Type)

Power

Input Voltage Range	24V required if POE out is utilized
Max Power Consumption	80W
Standard Power Adapter	24Vdc, US AC power cord, 120W

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, FCC, IEC 61000-3-2 (EMC), IEC 61000-3-3 (EMC), IEC 61000-4 (ESD), UKCA
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Specifications subject to change.

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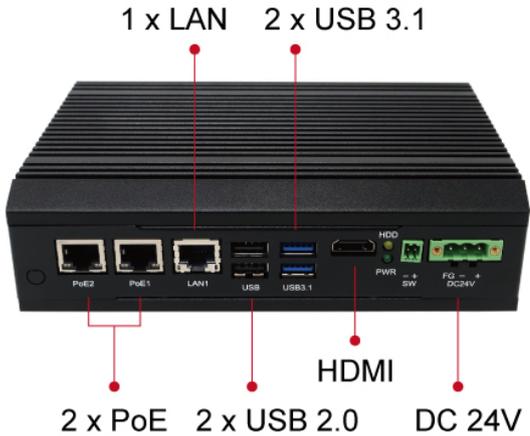
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I/O Diagram Images



USA

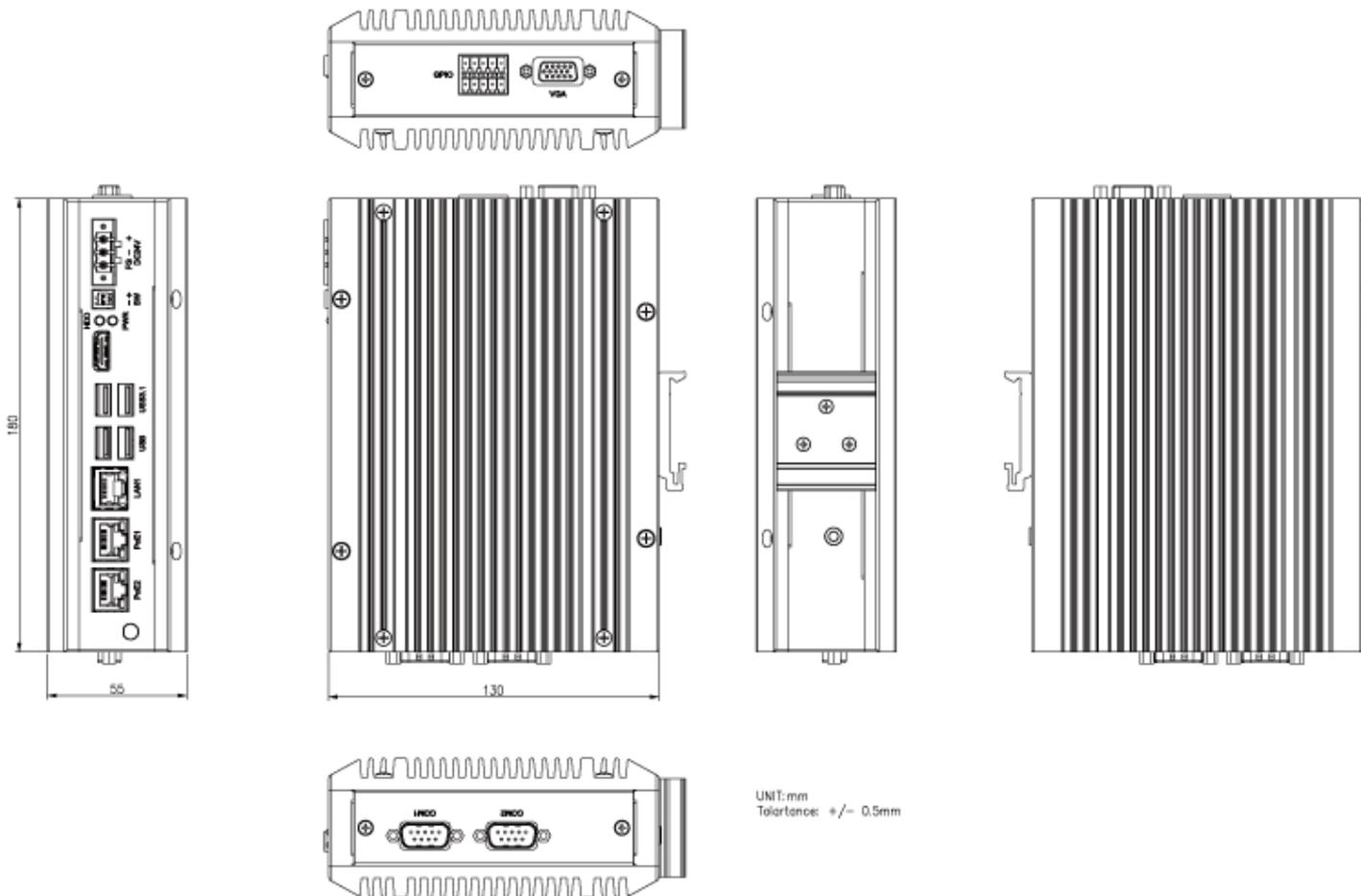
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