TEGUAR

TP-2945-16

15.6" Fanless Panel PC



Key Highlights

- 15.6" True Flat Panel Touch Screen
- Intel Bay Trail Quad Core N2930 1.83GHz CPU
- 4GB Onboard DDR3L Memory
- 2 Pin Connector for Power Switch
- IP66 Front in Aluminum Die-Cast Housing

VIEW ONLINE

The TP-2945-16 fanless panel PC is the perfect HMI replacement for industrial automation applications. The 15.6" widescreen touch display and front bezel is IP66/NEMA4 rated to ensure the unit can withstand the rigors of your operations. Using a system on chip (SoC) architecture, this industrial computer will help to keep your facility's power usage costs down. Even though the TP-2945-16 operates on a lower energy profile, it is still a powerful machine with its 1.83 GHz quad core CPU. Thanks to its fanless cooling system, this industrial panel PC is a computer that you can rely on 24/7, for years to come!

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Bay Trail
Processor Model	N2930
Processor Speed	1.83 GHz
Memory Type	Onboard DDR3
Memory Support	4GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD
Storage Support	32GB-1TB

Power

Input Voltage Range	9-36V DC
Max Power Consumption	37W
Standard Power Adapter	Optional 12V AC/DC Adapter

Battery

Battery Type	Optional Internal Battery

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 8.1 Pro
Linux	Linux (Contact your sales rep for more information)

Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
Mounting Options	Panel Mount, VESA 100 Mount

Peripherals & Wireless Connectivity

WiFi	Optional WiFi
Bluetooth	Optional Bluetooth 4.0
Mobile Network 4G LTE	Optional 4G

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	15.6"
Screen Resolution	1366 x 768, Optional 1920 x 1080
Screen Ratio	16:9
Brightness	300 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive

External I/O Ports

USB	2x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232(COM1), 1x RS-232 DB-9(COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x HDMI
Other Ports	1x 2-Pin DC Power Switch Connector
Audio Ports	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type), Optional POE++, 45W with 2x USB 2.0

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 90% Non-condensing

Weight / Dimensions

Weight	4.8 kg (10.6 lbs)
Dimensions	412 x 277.5 x 58.9 mm (16.2 x 10.9 x 2.3 in)

Certification

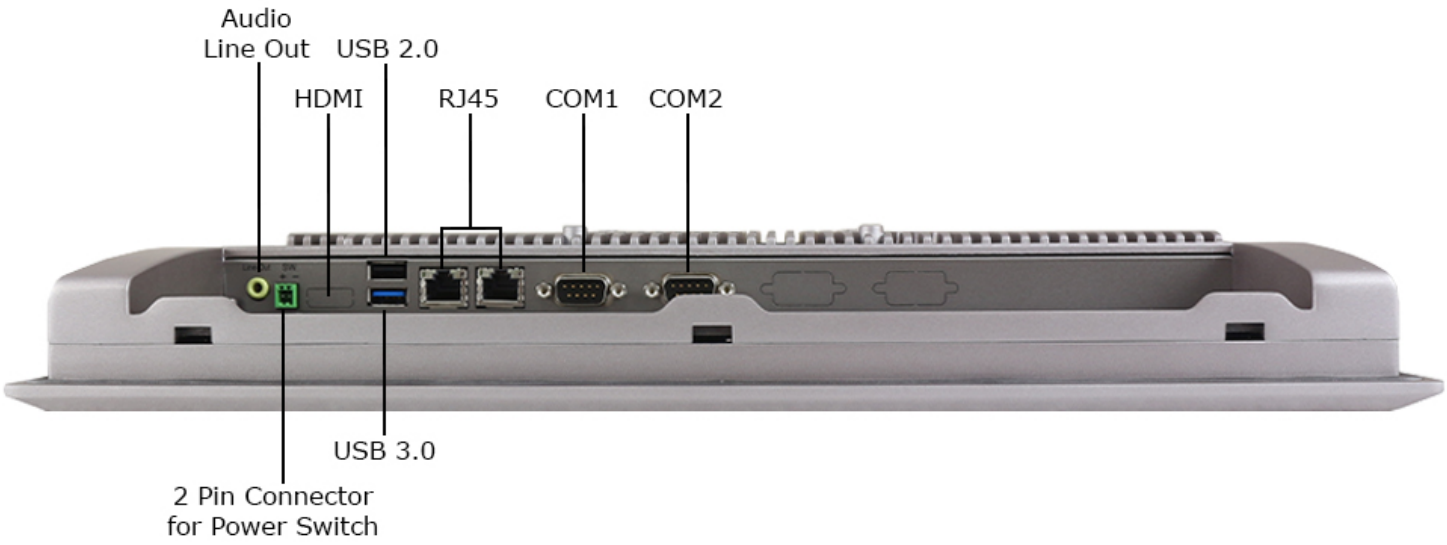
Certifications	CE, FCC Class A, UL 60950

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I/O Diagram Images

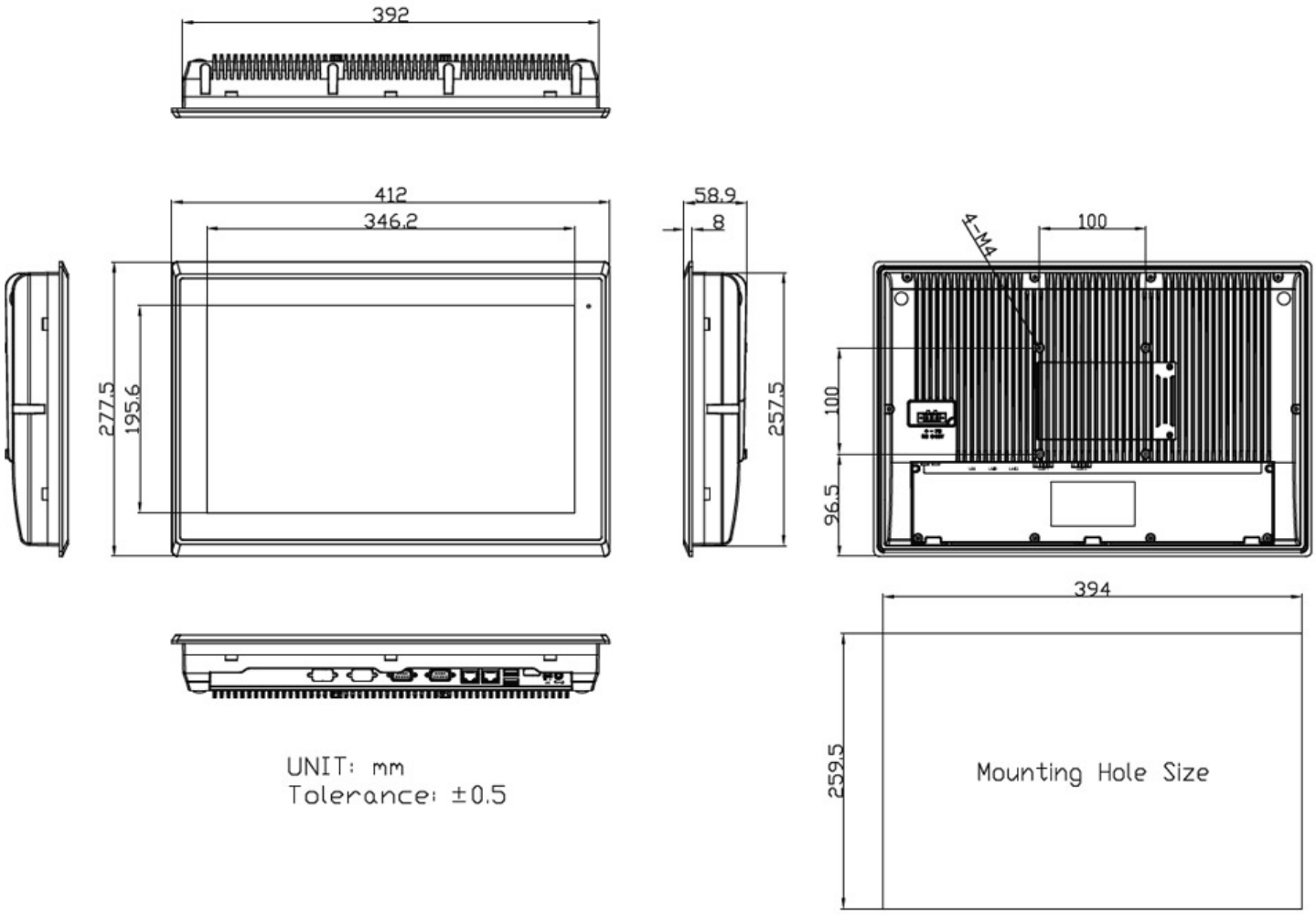


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Tech Diagram Images



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