

TP-2945-15

15" Fanless Industrial Panel PC



Key Highlights

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

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The TP-2945-15 is a solid mid-range industrial [panel pc](#). The 15" flat touchscreen panel pc is a low power consumption model thanks to its system on chip (SoC) architecture. Perfect for use with your factory software on the manufacturing floor, the TP-2945-15 and its fanless cooling system are designed to run reliably 24/7. The unit's die-cast aluminum enclosure carries a front bezel waterproof rating of IP66. This fanless panel PC has a powerful 1.83 GHz quad core CPU and is designed to run with software systems such as SCADA (Supervisory Control and Data Acquisition) and MES (Manufacturing Execution Systems).

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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
Standard Power Adapter	Optional 12V AC/DC Adapter

Operating Systems

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

Thermal & Environmental

Operating Temperature	-20°C - 60°C (-4°F - 140°F)
Storage Temperature	-30°C - 70°C (-22°F - 158°F)
Cooling Solution	Passive - Fanless with Heatsink
Humidity Range	10% - 90% Non-condensing

Peripherals & Wireless Connectivity

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

Certification

Certifications	CE, FCC Class A, UL 60950
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Specifications subject to change.

Display

Screen Size	15"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	300 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive
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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 Optional Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type), Optional POE+, 30W with 2x USB 2.0

Enclosure

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

Weight / Dimensions

Weight	4.4 kg (9.7 lbs)
Dimensions	410 x 310 x 54.7 mm (16.1 x 12.2 x 2.2 in)

Warranty

Warranty	Up to 5 Years
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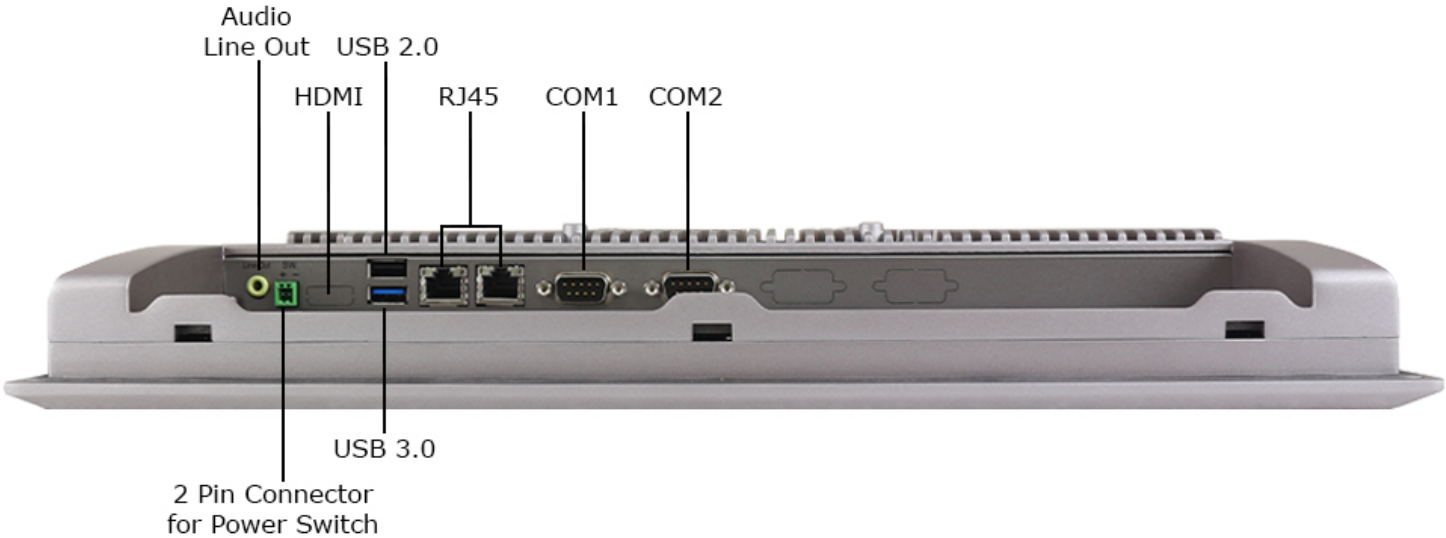
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I/O Diagram Images



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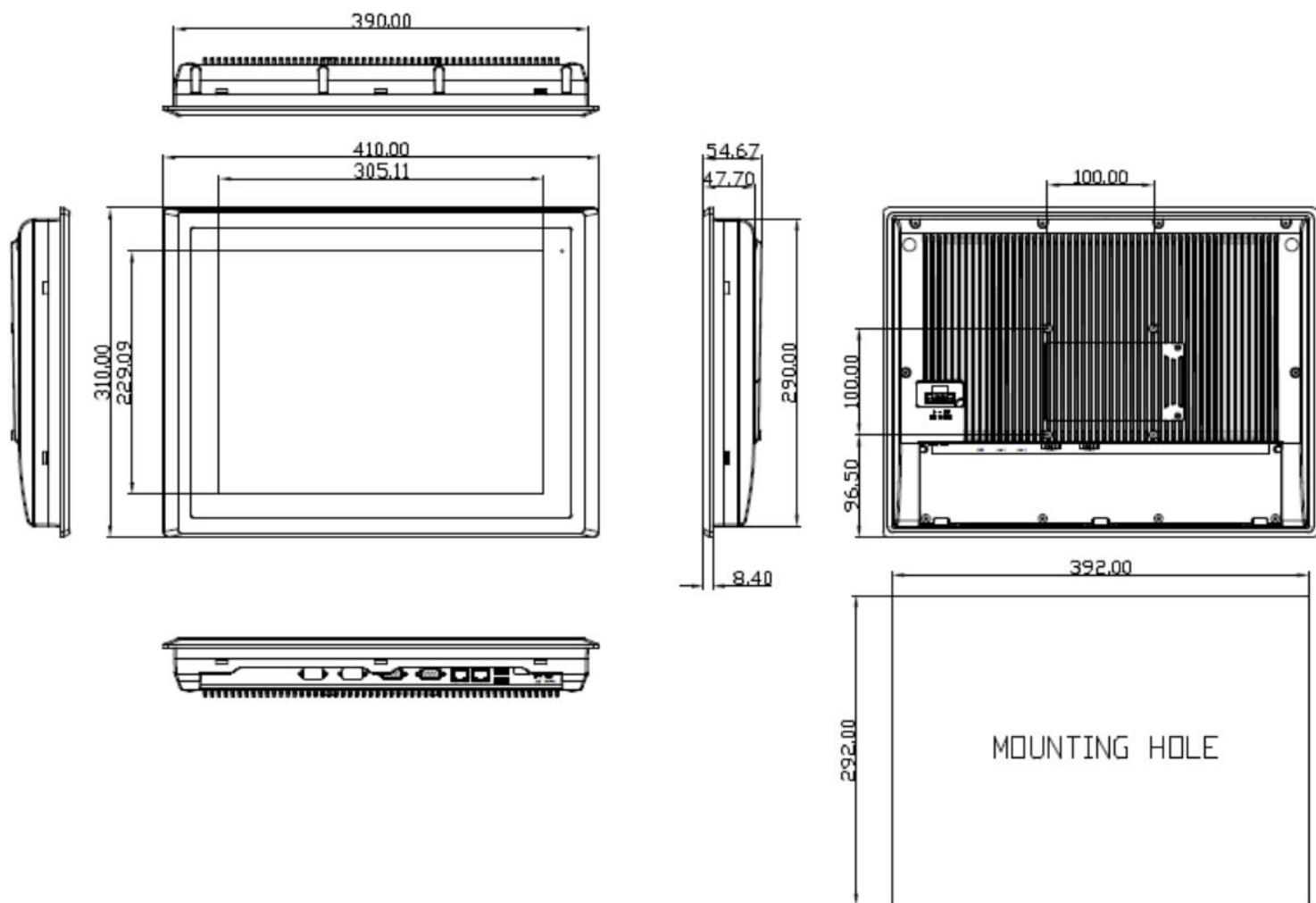
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Tech Diagram Images



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