TEGUAR

TP-2945-07

Fanless Panel PC



Key Highlights

- 7" True Flat Panel Touch Screen
- Intel Celeron Bay Trail CPU
- Ultra-low Power Use with Fanless Design
- Onboard DDR3L 4GB Memory
- IP66 Protected Front with Aluminum Housing
- Wide operating temperature range (0°-50° C or 32°-122° F)

VIEW ONLINE

The 7" Fanless Panel PC is a highly durable, very compact, fanless touch screen computer. This industrial strength PC is ideal for tracking metrics for your SCADA (Supervisory Control and Data Acquisition) program or used as a check in station for employees. The 7" full flat touchscreen panel is more durable than consumer grade touchscreens and can be used in high traffic areas. The TP-2945-07 has accessible storage through the back panel along with eight input/outputs tucked cleanly under the panel. All components are industrial grade and the enclosure is made from die-cast aluminum. Power usage is kept to a bare minimum with the SoC chipset. The IP66 front rating gives assurance that the TP-2945-07 will endure contact with water, dust, and particles which can easily be wiped clean. This fanless panel PC is a reliable and well-priced choice.

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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	1.8" Half Size MO297 SATA Drive Bay
Storage Support	32GB-256GB

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

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

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

Specifications subject to change.

Display

Screen Size	7"
Screen Resolution	800 x 480 (WVGA)
Screen Ratio	5:3
Brightness	350 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)

Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
Mounting Options	Panel Mount, VESA 75 Mount

Weight / Dimensions

Weight	1.2 kg (2.6 lbs)
Dimensions	202 x 149 x 39 mm (8.0 x 5.9 x 1.5 in)

Warranty

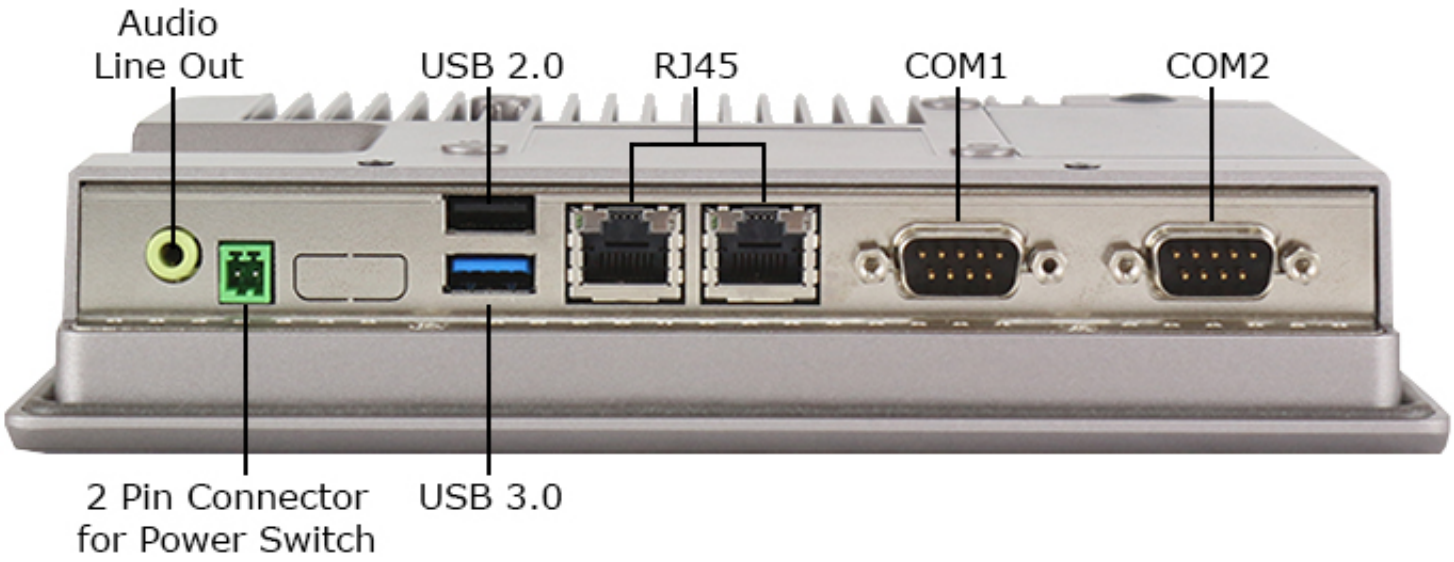
Warranty	Up to 5 Years

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I/O Diagram Images

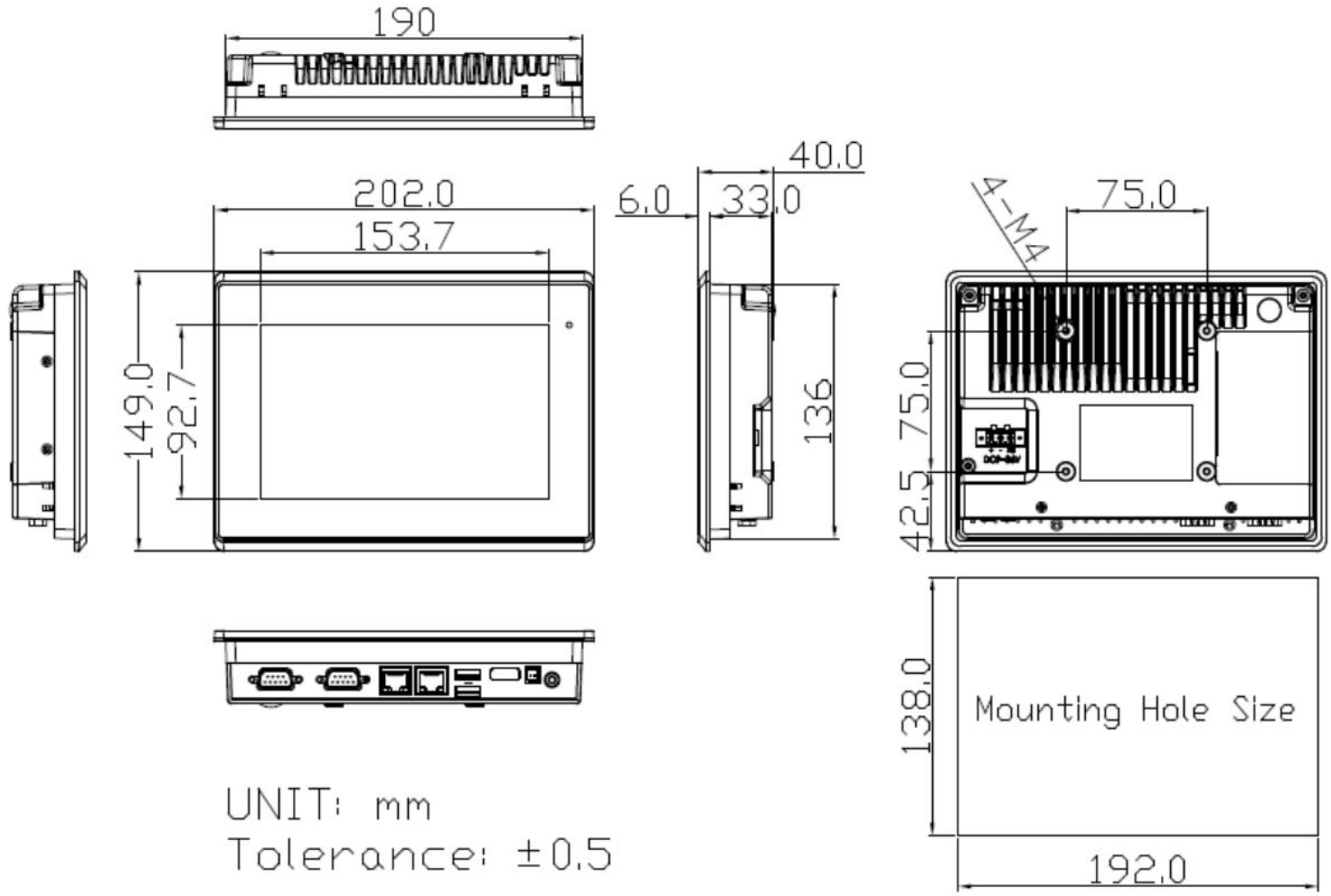


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Tech Diagram Images



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