TEGUAR

TP-2945-19

19" Fanless Industrial Panel PC



Key Highlights

- 19" True Flat Panel Touchscreen
- Intel Bay Trail Quad Core N2930 1.83GHz CPU
- 4GB Onboard DDR3L Memory
- 2 Pin Connector for Power Switch
- IP66 Rated Front Bezel

VIEW ONLINE

The TP-2945-19 industrial fanless panel PC has a 19" full flat touchscreen panel display. Featuring a quad core Intel Celeron N2930 CPU and an SoC chipset, this computer has plenty of computing power despite its low energy consumption architecture. This fanless touchscreen computer has 8 input/output ports and allows for easy access to the storage bay through a removable back module. All components are industrial grade and the unit housing is made of die-cast aluminum. This industrial panel computer is designed to run 24/7 and can easily be wiped down at the end of each shift, thanks to the IP66 front bezel rating.

USA
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE
Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA
Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

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)

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

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	19"
Screen Resolution	1280 x 1024 (SXGA)
Screen Ratio	4:3
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

Expansion Slots

SD card	1x Full Size SD Slot

Enclosure

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

Weight / Dimensions

Weight	5.9 kg (13.0 lbs)
Dimensions	468 x 380 x 64.8 mm (18.4 x 15.0 x 2.6 in)

Certification

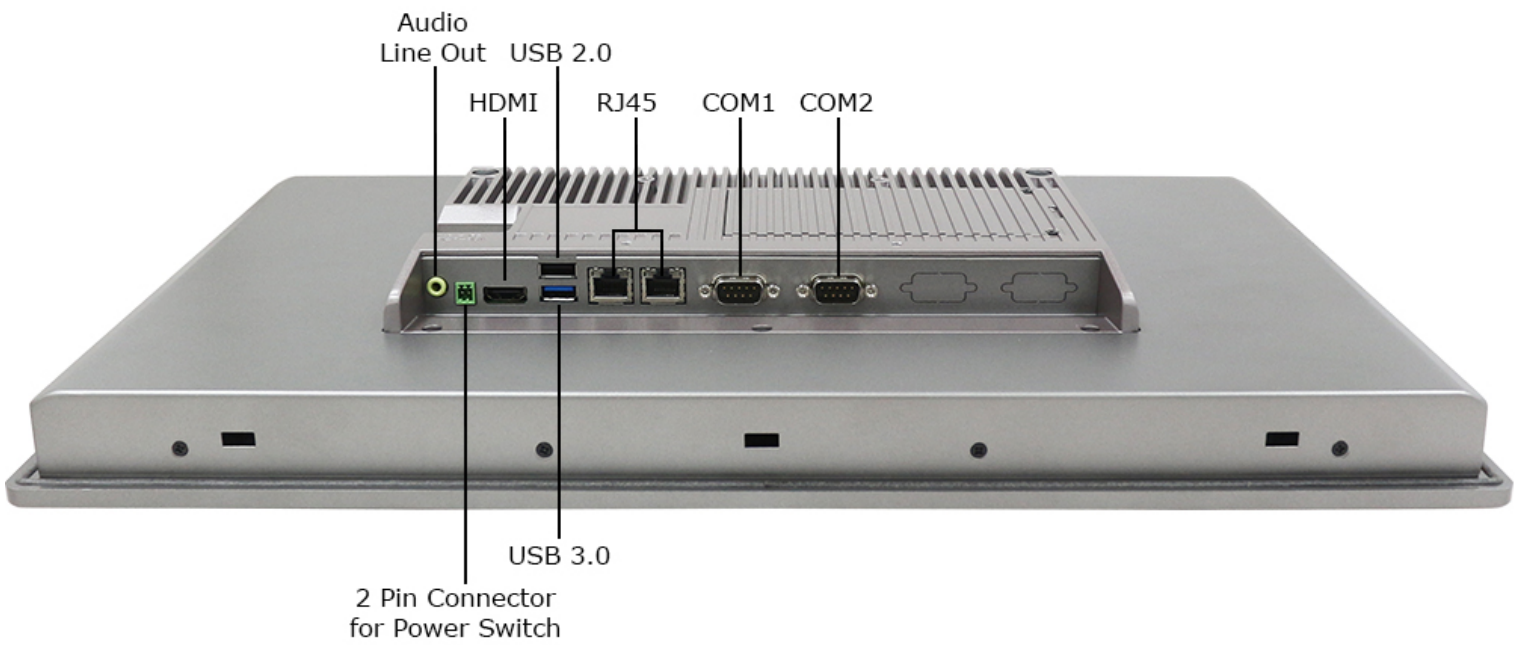
Certifications	CE, FCC Class A, UL 60950

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I/O Diagram Images

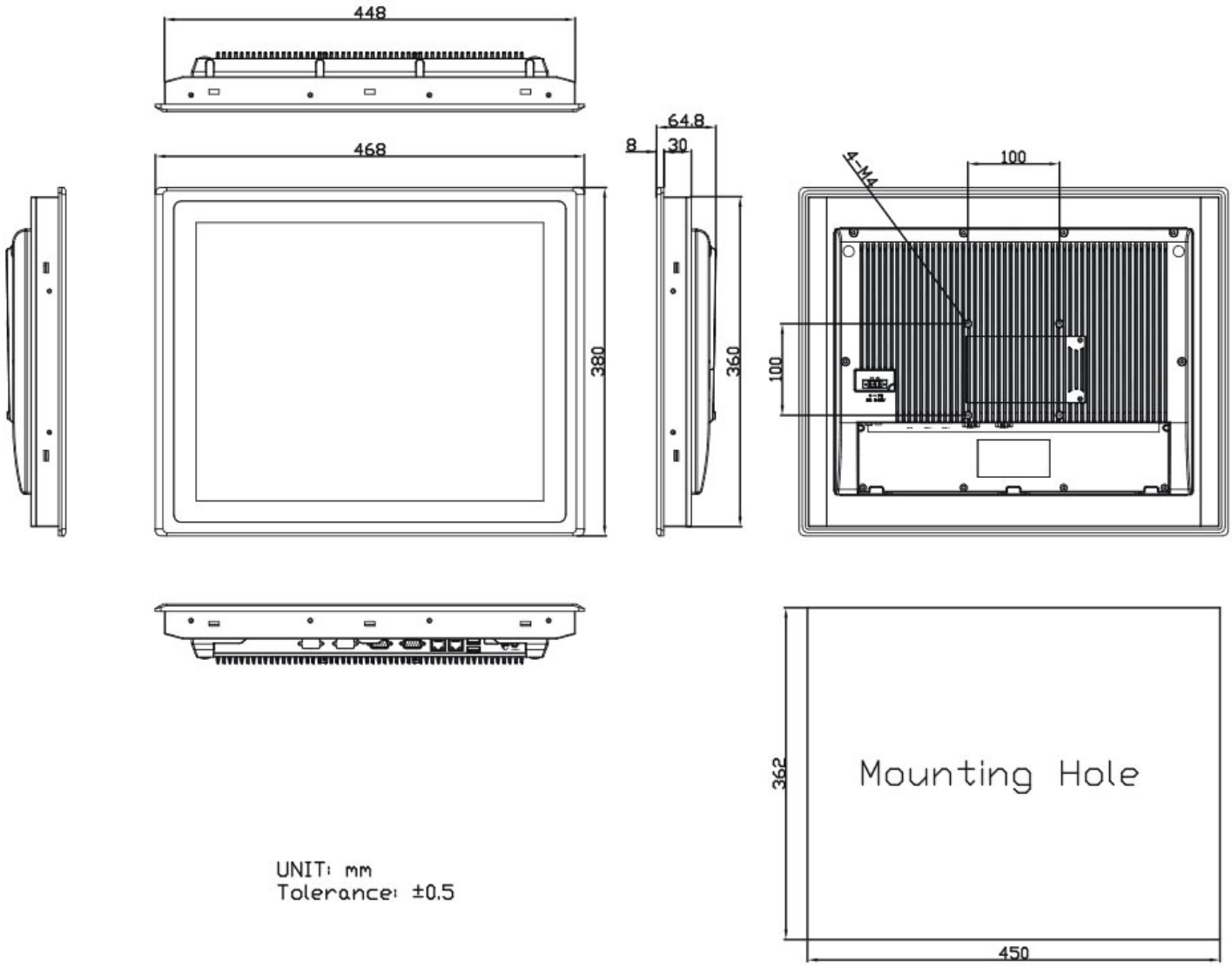


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Tech Diagram Images



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