TEGUAR

TP-4810-15

15" Fanless Panel PC



Key Highlights

- 15" Resistive or P-Capacitive Touchscreen Display
- Fanless Cooling System
- Intel Celeron J6412 Processor
- Multiple Inputs and Outputs including 4x USB, 1 Gb LAN, 2.5 Gb LAN, 3x COM and more
- Windows 11 Capabilities

VIEW ONLINE

The TP-4810-15 fanless panel PC has a 15" resistive or P-capacitive touchscreen that is IP66 rated to protect against water and dust. This unit features an Intel Celeron J6412 processor and is capable of running Windows 11 operating system smoothly. Abundant inputs and outputs include 3x COM, 2x USB 2.0, 2x USB 3.2, 1x Gigabit LAN, 1x 2.5 Gigabit LAN, and more, allowing you to connect your unit to multiple devices. Additionally, there are options for a motherboard expansion, so you are able to easily customize your I/Os. Panel mounting hardware is included to make for quick and easy installation in your operations.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Processor Speed	2.0 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	32GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD (Internal, not with removable drive in use), 1x M.2 SATA3 2280 Slot
Storage Support	M.2 and 2.5": 128GB - 1TB

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2
Serial / Com	3x COM
Serial Protocol Detail	1x RS-232, 2x RS-232/422/485
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x HDMI, 1x VGA
Audio Ports	2x 3.5mm Audio Line-Out/Mic-In
Power Input Port	4-Pole DIN (latching)

Expansion Slots

Internal M.2	1x M.2 Type B
Other	1x SIM socket connected to M.2 B-Key

Enclosure

Material	Aluminum front bezel and SECC Steel Chassis
IP Rating	IP66 Front Bezel
Color	Black
Control Buttons	Power Reset

Certification

Certifications	CE, FCC

Display

Screen Size	15"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	350 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch), Resistive
Hardness	Resistive: 3H, P-cap: 7H

Power

Input Voltage Range	12-28V DC
Max Power Consumption	56.3W
Standard Power Adapter	60 watts, 100 ~240V AC in, 19V DC out

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro

Compatibility

Security Hardware	Optional TPM 2.0

Thermal & Environmental

Operating Temperature	0°C - 45°C (32°F – 113°F)
Storage Temperature	-20°C - 65°C (-4°F – 149°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Weight / Dimensions

Weight	6.4 kg (14.1 lbs)
Dimensions	398 x 330 x 72 mm (15.7 x 13.0 x 2.8 in)

Warranty

Warranty	1 Year

Specifications subject to change.

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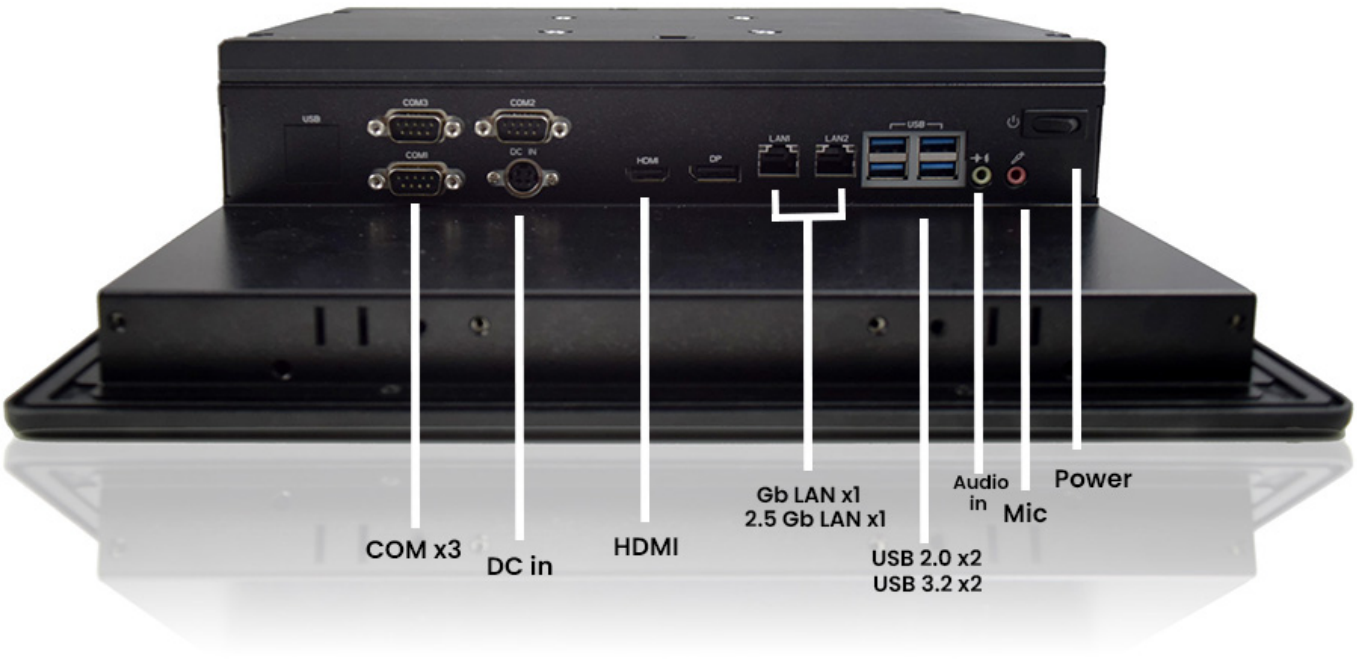
I/O Diagram Images



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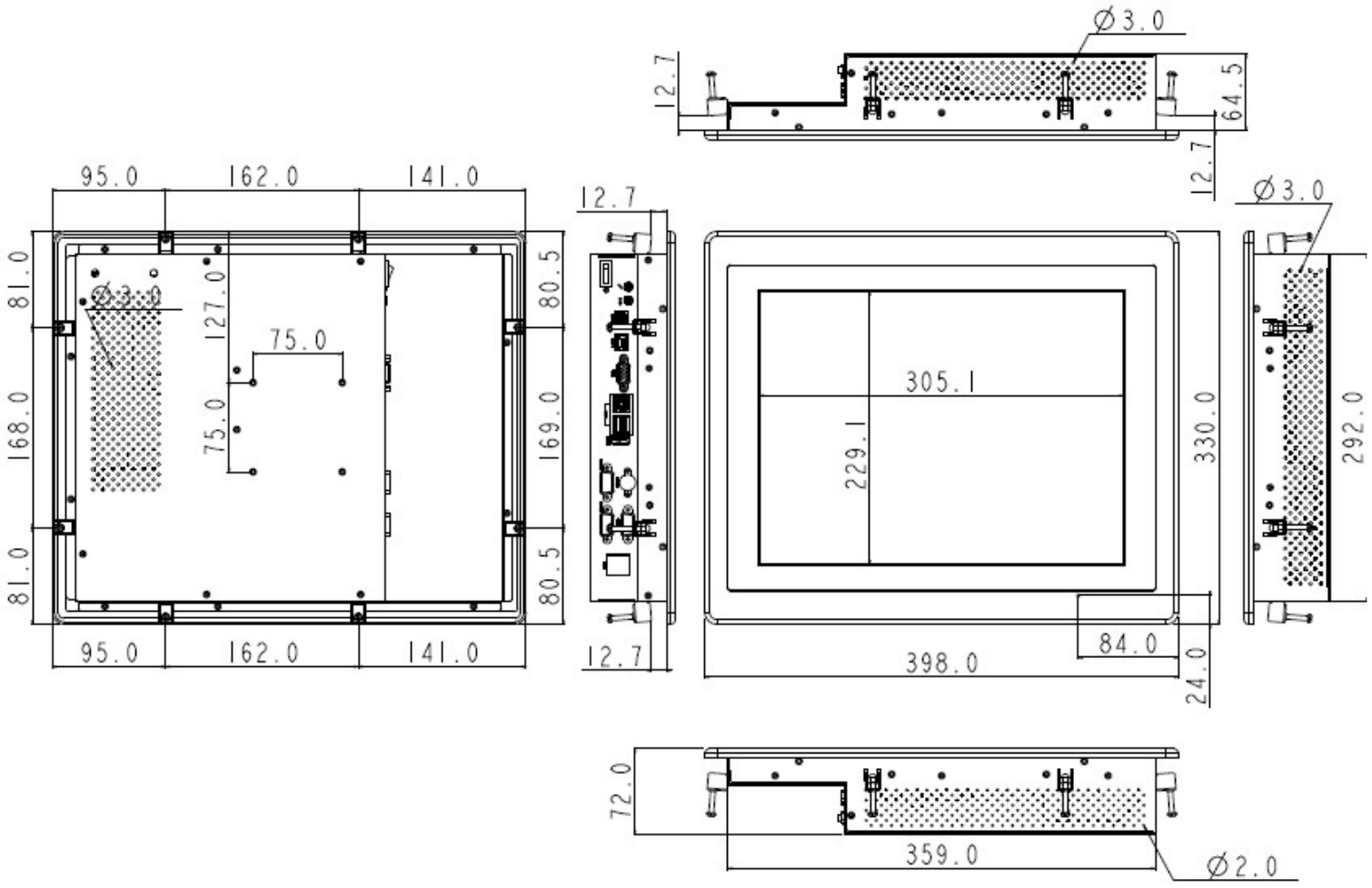
Tech Diagram Images



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