TEGUAR

TP-4845-07

7" Panel PC

Key Highlights

- Resistive or PCAP 7" Touchscreen Options
- Intel Celeron J6412 Quad Core Processor
- Die Cast Aluminum Housing and IP66 Rated Front Bezel
- WiFi 6 Capable
- Windows 11 Capabilities

VIEW ONLINE

The 7" Panel PC is an ideal solution for space restricted applications that need rugged computing. Fueled by the Intel J6412 Quad Core processor, this unit can run Windows 11 operating system smoothly. This compact unit features integrated WiFi 6, catering to demanding industrial environments. The die-cast aluminum housing and IP66 rated front bezel ensures reliability amidst harsh industrial conditions. Expandable I/Os options allow for a tailor-made solution that is finely tuned to meet specific requirements for your project.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Processor Speed	2.0 GHz, Up to 2.6 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x M.2 SATA3 2242 Slot
Storage Support	M.2: 256GB-1TB

Power

Input Voltage Range	9-36V DC
Standard Power Adapter	Optional 12V AC/DC Adapter, 5A, 60W

Operating Systems

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

Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F), -20°C - 60°C (Optional -4°F – 140°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 95% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WiFi
Bluetooth	Optional Bluetooth 4.0

Certification

Certifications	CE, FCC, UL 62368

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 2.0, 2x USB 3.2
Serial / Com	1x COM
Serial Protocol Detail	RS-232/422/485 (Default RS-232; select via BIOS)
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort, supports DP++
Audio Ports	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

Enclosure

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

Weight / Dimensions

Weight	1.1 kg (2.4 lbs)
Dimensions	202 x 149 x 40 mm (8.0 x 5.9 x 1.6 in)

Warranty

Warranty	Up to 5 Years

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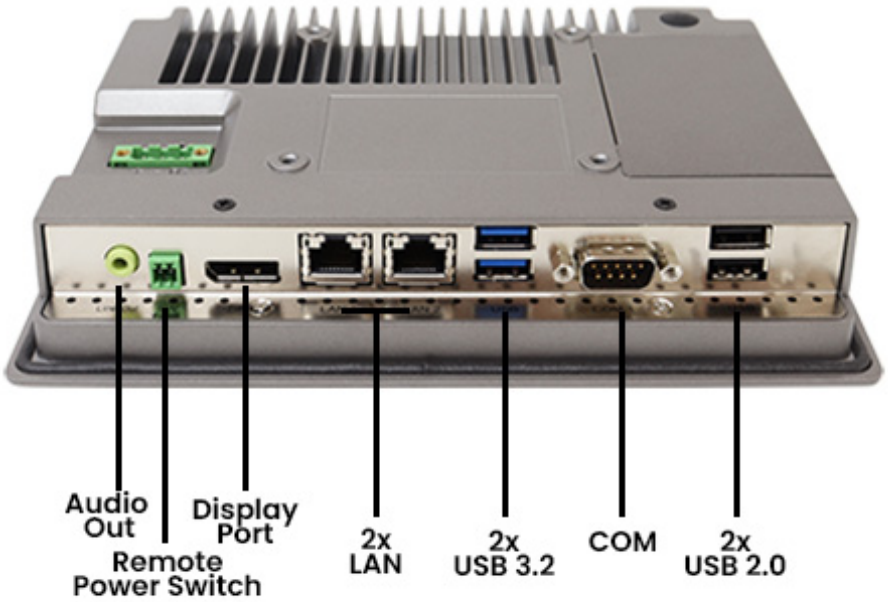
I/O Diagram Images



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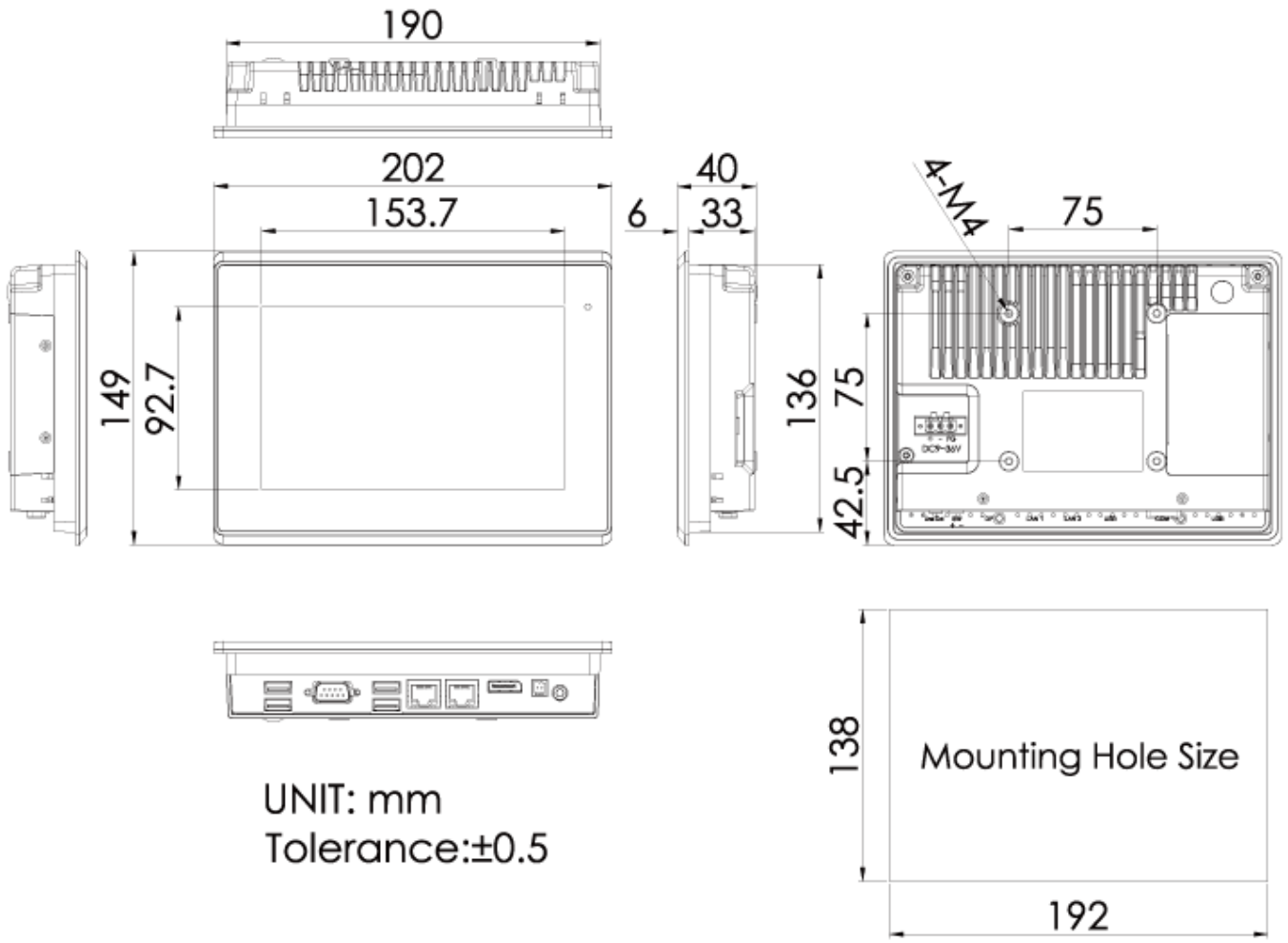
Tech Diagram Images



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