TEGUAR

TP-4840-16

15.6" Industrial PC



Key Highlights

- 15.6" True Flat Touchscreen with LCD Display
- Intel Elkhart Lake 10th Gen Celeron J6412 Quad core CPU
- Aluminum Die-Cast Housing
- Integrated Webcam, WLAN, & BT 4.0
- Fanless and Low Power Consumption

VIEW ONLINE

The TP-4840-16 is best in class for industrial all-in-one computers. The Elkhart Lake Quad Core CPU allows for multiple programs to run simultaneously and is capable of runnign Windows 11 smoothly. This all-in-one computer is ideal to use as the HMI (Human Machine Interface) in a kiosk where constant use and touch screen interaction is required. Point of Sale payment modules and other custom configurations are available to meet your particular needs. The TP-4840-16 has highly durable housing, a fanless design, and multiple I/Os.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412 Quad
Processor Speed	2.0 GHz, 2.6 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB
Storage Type	1x M.2 slot for SSD
Storage Support	M.2: 64GB-1TB

Power

Input Voltage Range	19V DC
Standard Power Adapter	65W Power Adapter

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
Linux	Linux (Contact your sales rep for more information)

Expansion Slots

Internal M.2	1x M.2
Video Card Support	Intel HD Graphics

Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	25% – 85% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WiFi 6E
Bluetooth	Optional Bluetooth 5.3
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional RFID Module

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	15.6"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	220 nits

Touch Screen

Touch Screen	Projected Capacitive

External I/O Ports

USB	2x USB 2.0, 2x USB 3.0, 2x USB Type C (Data only)
Serial / Com	2x COM
Serial Protocol Detail	DB-9 interface, RS-232 protocol, with configurable power to Pin-9
Ethernet / LAN	1x RJ45 GbE LAN
Power Input Port	4-Pole DIN (latching)

Compatibility

Security Hardware	TPM 2.0

Multimedia

Speakers	2x 2W Speakers
Camera	2MP Webcam

Enclosure

Material	Aluminum
IP Rating	IP65 Front Bezel
Mounting Options	VESA 75 Mount

Weight / Dimensions

Weight	4.5 kg (9.9 lbs)
Dimensions	396 x 48 x 245 mm (15.6 x 1.9 x 9.6 in)

Certification

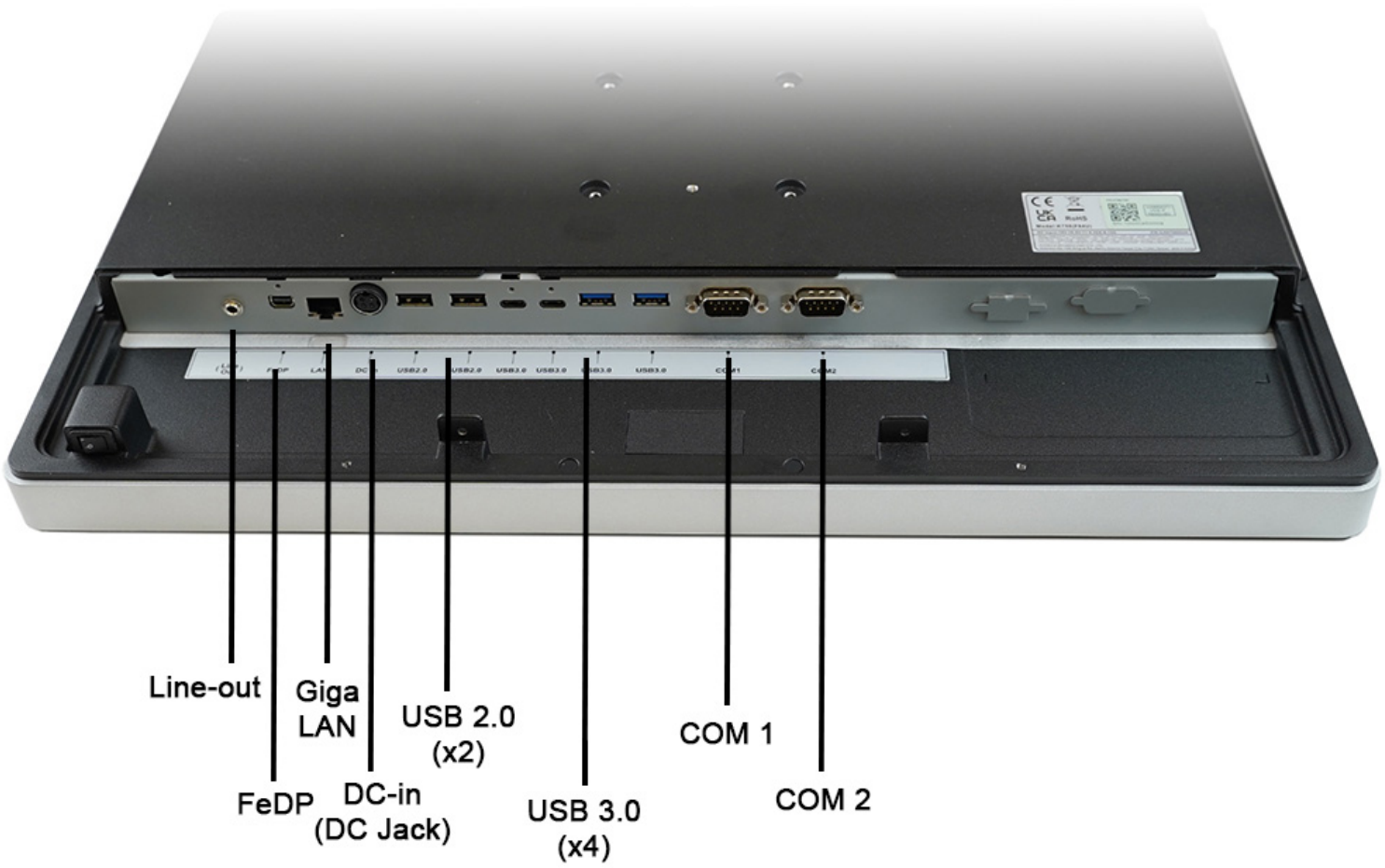
Certifications	BIS, CCC, CE, FCC Class B, LVD

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I/O Diagram Images

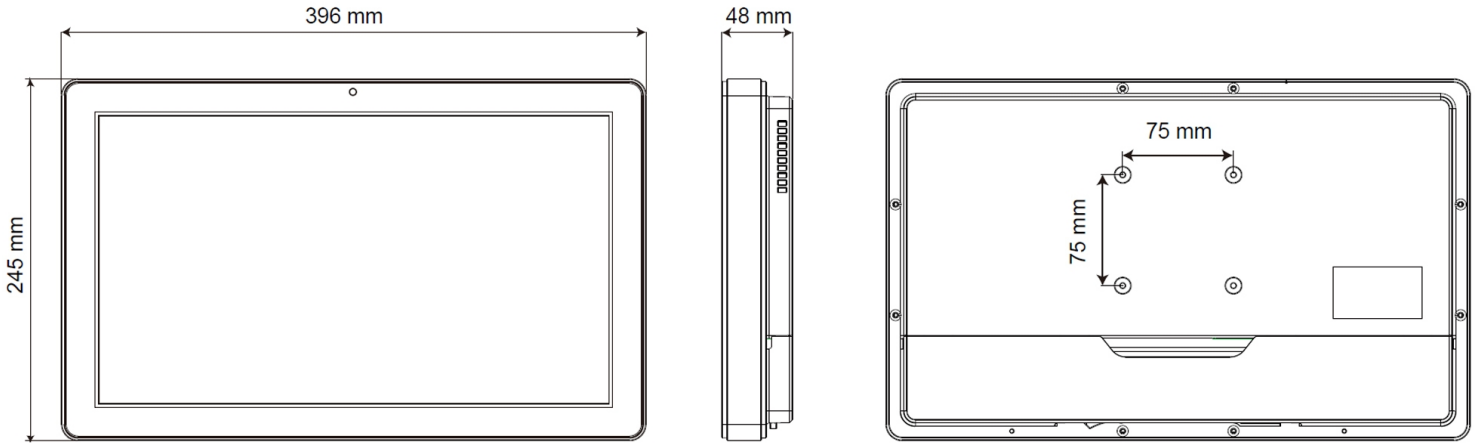


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Tech Diagram Images



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