TEGUAR

TP-4840-18

18.5" Industrial Computer



Key Highlights

- 18.5" LED LCD Touchscreen
- Intel Elkhart Lake 10th Gen Celeron J6412 Quad-core CPU
- Fanless Cooling System
- Aluminum Die-Cast Housing
- Integrated Webcam, WLAN, & BT 4.0
- Multiple I/Os including 6x USB Ports total, 1x LAN & more

VIEW ONLINE

This 18.5" Industrial All-In-One PC runs on a Elkhart Lake Quad Core CPU with Windows 11 capabilites. The front bezel is IP65 rated, which protects the unit from dust and water. This rugged computer has aluminum die cast housing and a fanless operation. This all-in-one computer is ideal to use as the HMI (Human Machine Interface) in a kiosk, where touchscreen interaction is required. The TP-4840-18 provides consistent, reliable performance in manufacturing and production environments 24/7.

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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
Max Power Consumption	65W
Standard Power Adapter	120W Power Adapter Included

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

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

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	18.5"
Screen Resolution	1366 x 768
Screen Ratio	16:9
Brightness	250 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	6.8 kg (15.0 lbs)
Dimensions	464 x 284 x 48 mm (18.3 x 11.2 x 1.9 in)

Certification

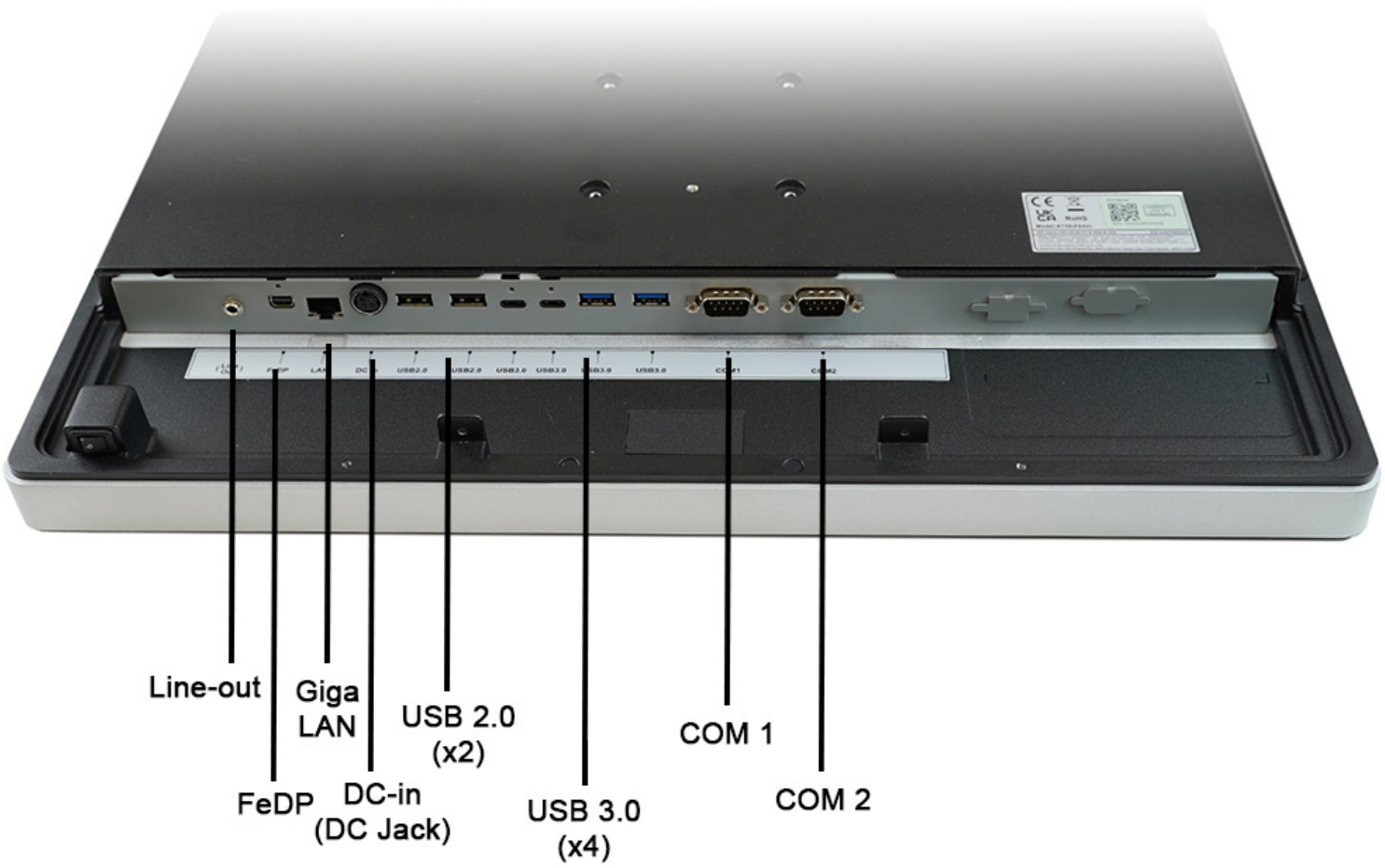
Certifications	CE, FCC Class B, LVD

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I/O Diagram Images

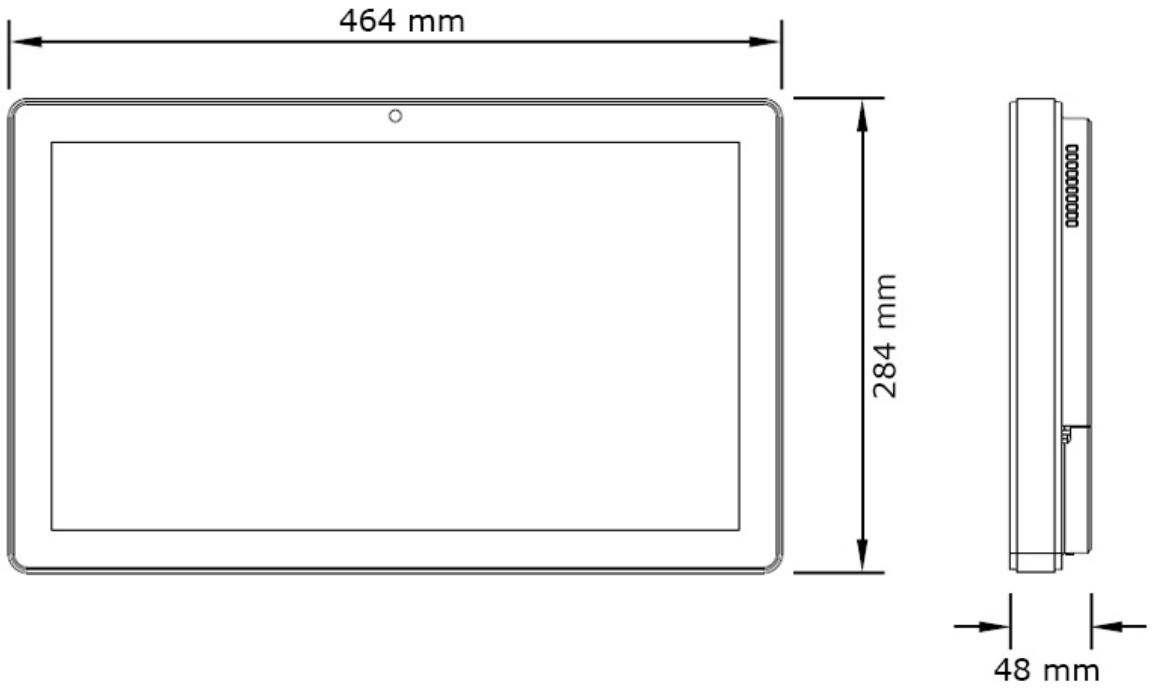


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Tech Diagram Images



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