

# 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

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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 running 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
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**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
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## 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
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## 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



Line-out

FeDP

Giga LAN

DC-in  
(DC Jack)

USB 2.0  
(x2)

USB 3.0  
(x4)

COM 1

COM 2

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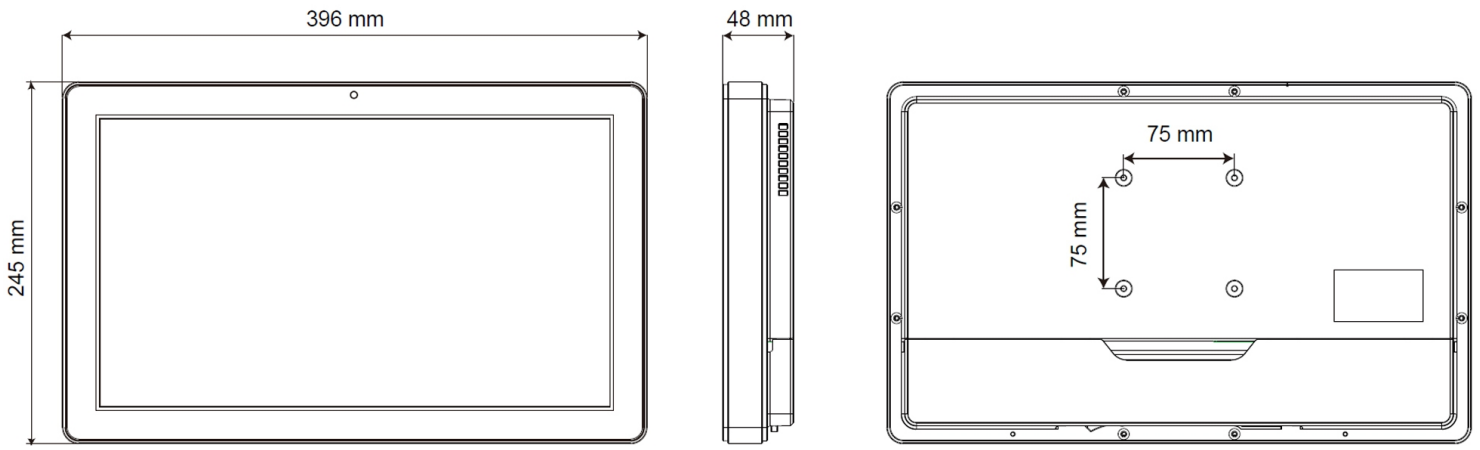
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## Tech Diagram Images



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