

# TA-4840-22

22" Fanless All In One PC



## Key Highlights

- 21.5" Full HD Display with PCAP Touchscreen
- Intel Celeron J6412 Quad-Core CPU
- Various Mounting Stands
- Modular Design with Removable Box PC
- Customizable and Expandable

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The TA-4840-22 is a modular and customizable computer with a 21.5" full HD [touchscreen that is suitable for kiosk](#) and light-industrial applications. It has a removable box PC and can support optional peripherals on all four sides, including a 3-track MSR Fingerprint Reader, RFID Reader, Verifone VX820, 2D Barcode Scanner, and 5MP Camera. It runs on an Intel Celeron J6412 Quad-Core CPU and is compatible with Windows 11 Operating System. The desktop stand even has a printer bay to securely hold an EPSON thermal printer.

### USA

Teguar  
2920 Whitehall Park Drive  
Charlotte, NC 28273  
+1 866-693-3105  
sales@teguar.com

### EUROPE

Teguar Europe AG  
Churerstrasse 54, CH-8808  
Pfäffikon, Switzerland  
+41 41 561 53 11  
sales.EU@teguar.com

### ASIA

Teguar Taiwan Ltd.  
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,  
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)  
+886 2 7751 5319  
sales@teguar.com.tw

# Technical Specifications

## Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB
Storage Type	1x M.2 slot for SSD
Storage Support	M.2: 128GB-1TB

## 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	x2 RS-232 DB-9
Ethernet / LAN	1x RJ45 GbE LAN
Other Ports	Custom connector for External Monitor
Power Input Port	4-Pole DIN (latching)

## Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)
Expansion Module support	4 USB based expansion areas on Bezel

## Thermal & Environmental

Operating Temperature	0°C - 35°C (32°F - 95°F)
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Cooling Solution	Passive - Fanless
Humidity Range	20% - 85% Non-condensing

## Peripherals & Wireless Connectivity

WiFi	Optional through M.2 interface
Bluetooth	Optional Bluetooth 5.1
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional 13.56 NFC External Module
Peripheral Other	Contact Teguar is you have a customized external Module request

## Warranty

Warranty	Up to 5 Years
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Specifications subject to change.

## Display

Screen Size	21.5
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	300 nits

## Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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## Power

Input Voltage Range	19V DC
Standard Power Adapter	65W AC/DC 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)

## Compatibility

Security Hardware	fTPM 2.0
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## Multimedia

Speakers	1x 3W Speaker
Camera	Optional Webcam

## Enclosure

Material	Plastic
IP Rating	IP54 Front Bezel
Color	Black
Mounting Options	VESA 100 Mount, VESA 75 Mount

## Weight / Dimensions

Weight	5.4 kg (11.9 lbs)
Dimensions	519 x 311 x 49 mm (20.4 x 12.2 x 1.9 in)

## Certification

Certifications	CE, FCC
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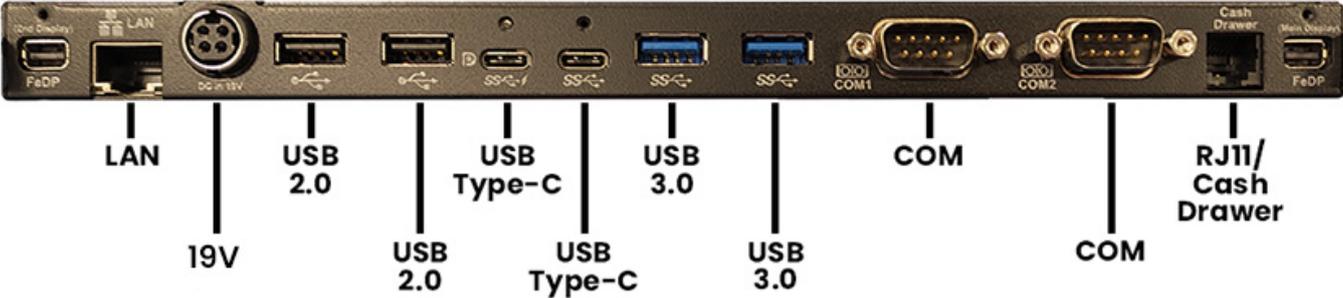
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# I/O Diagram Images



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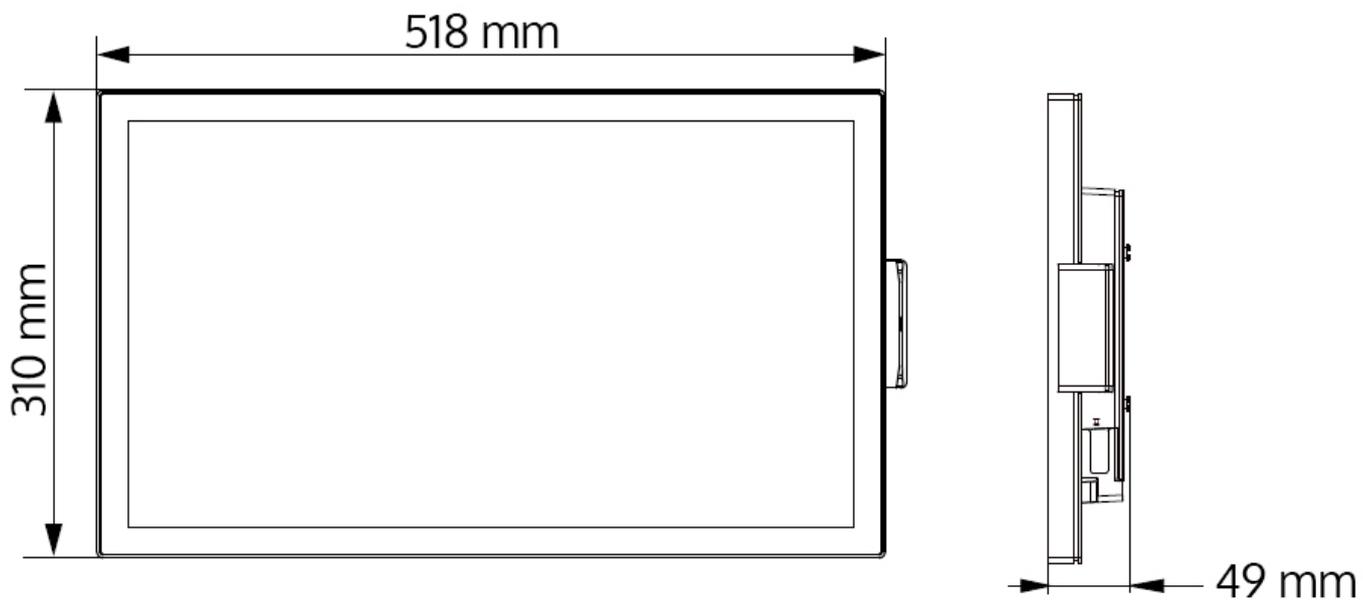
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## Tech Diagram Images



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