

TA-4840-18

18" Fanless All in One PC



Key Highlights

- 18.5" HD Display with PCAP Touchscreen
- Intel Celeron J6412 Quad Core CPU
- Modular Design with Removable Box PC
- Options for Expansion and Accessories
- USB Type C

[VIEW ONLINE](#)

Featuring an 18.5" full HD touchscreen and swappable box PC, the TA-4840-18 is a durable and modular [computer suitable for kiosks](#), POS, and light-industrial applications. It runs Windows 11 on an Intel Celeron J6412 Quad-Core CPU and supports optional peripherals on all four sides, including Magnetic Stripe Reader, Fingerprint Reader, HF RFID Reader, EMV payment terminals, 2D Barcode Scanner, and Webcam. With a VESA mounting hole pattern, it mounts on various stands and arms, such as POS, printer, or floor stands.

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	Onboard DDR4
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	18.5"
Screen Resolution	1366 x 768
Screen Ratio	16:9
Brightness	250 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	4.4 kg (9.7 lbs)
Dimensions	451 x 273 x 51 mm (17.8 x 10.7 x 2.0 in)

Certification

Certifications	CE, FCC
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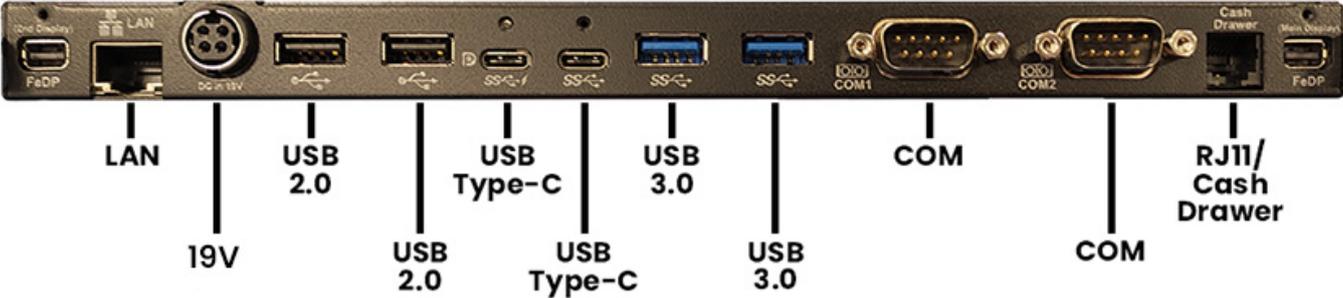
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I/O Diagram Images



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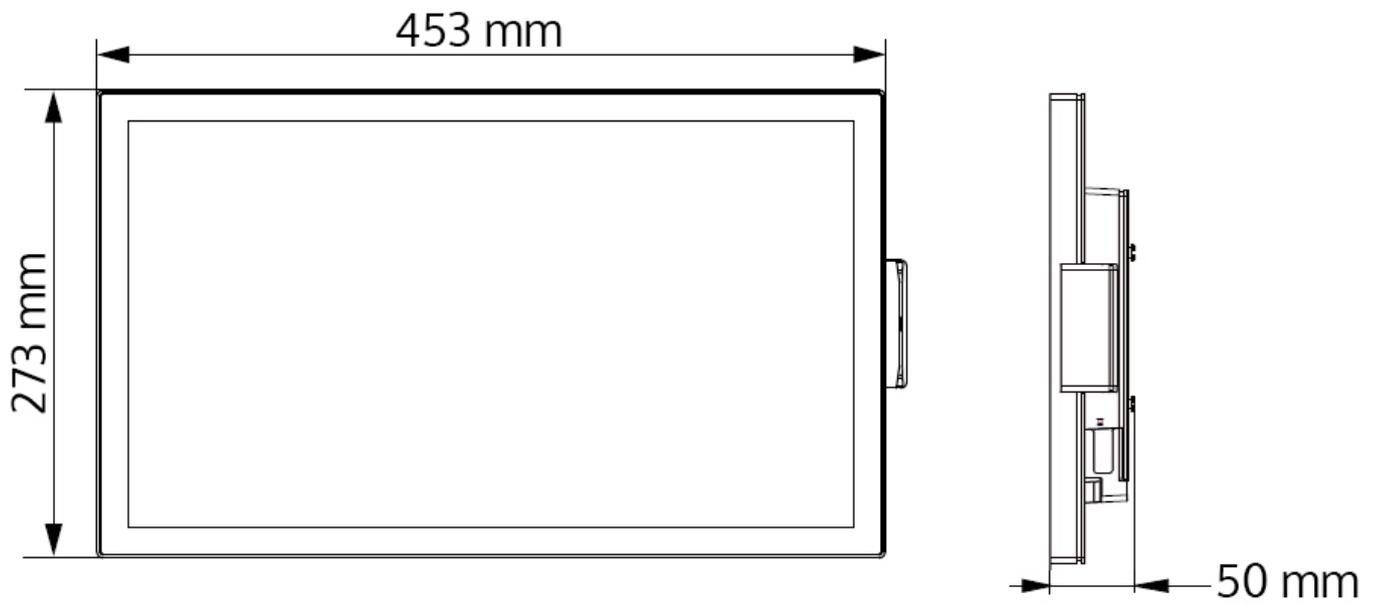
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Tech Diagram Images



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