

TA-4840-16

16" Fanless All in One PC



Key Highlights

- 15.6" HD Display with PCAP Touchscreen
- Intel Celeron J6412 Quad Core CPU
- Modular Design with Removable Box PC
- Slim and Durable Housing
- Multiple Mounting Options

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The TA-4840-16 is a modular computer system powered by an Intel Celeron J6412 Quad-Core CPU and compatible with Windows 11. Ideal for customer-facing and light-industrial applications, it has a modular design with a 15.6" full HD touchscreen and a removable box PC for easy service or upgrades. With VESA mounting and the ability to add up to four optional peripherals on all four sides, including a 3-track MSR Fingerprint Reader, RFID Reader, 2D Barcode Scanner, 5MP Camera with microphone, and Verifone VX820 or Ingenico payment terminals, this computer is highly adaptable and can be mounted on various stands, arms, and carts.

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

Specifications subject to change.

Display	
Screen Size	15.6"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	300 nits

Touch Screen	
Touch Screen	Projected Capacitive (Multi-touch)

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

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	3.0 kg (6.6 lbs)
Dimensions	370 x 235 x 42 mm (14.6 x 9.3 x 1.7 in)

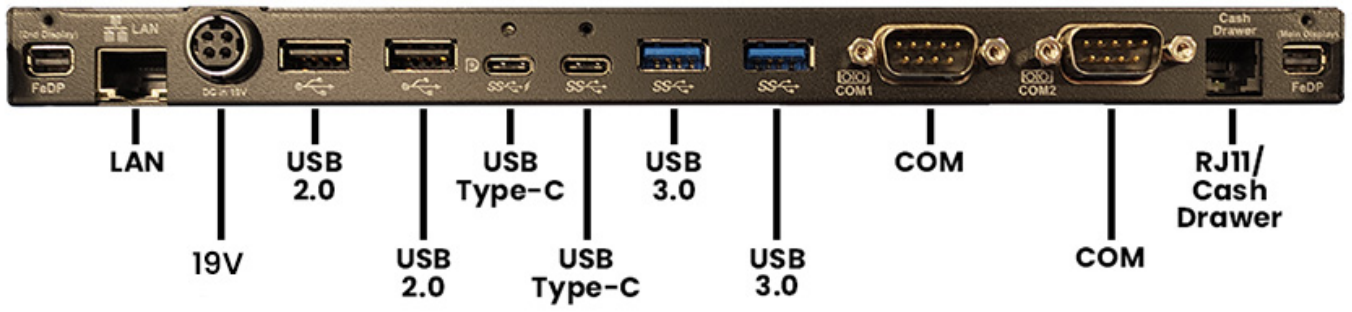
Certification	
Certifications	CE, FCC

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I/O Diagram Images



USA

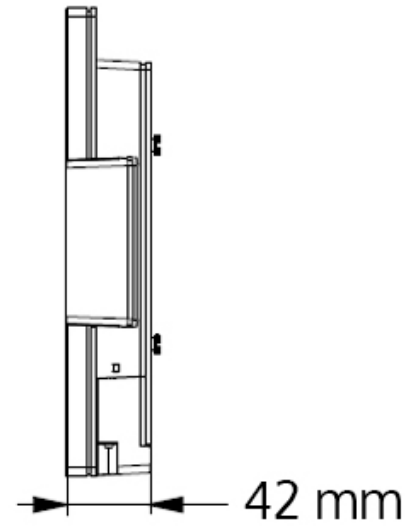
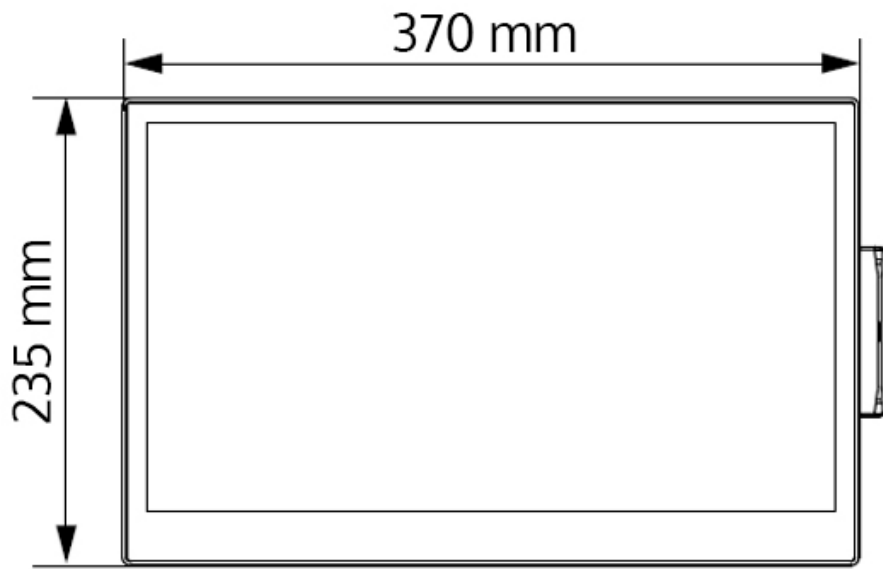
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