

TP-4845-19

19" Panel PC



Key Highlights

- 19" Resistive or PCAP Touchscreen
- Die Cast Aluminum Housing and IP66 Rated Front Bezel
- Designed for flexible IO expansion
- Windows 11 Capabilities
- Intel Celeron J6412 Quad Core Processor

[VIEW ONLINE](#)

This [19 inch Panel PC](#) combines durability with customization. Powered by the Intel J6412 Quad Core processor, it guarantees seamless Windows 11 performance. Integrated WiFi 6 support adapts to industrial demands. With IP66 rated aluminum die cast housing, this unit is able to survive harsh conditions. The TP-4845-19 offers a range of I/O options, enabling a customized solution that adapts perfectly to specific project requirements. The M.2 SSD enhances storage speed and capacity to meet the demands of data-intensive tasks in various professional settings.

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 |
| Processor Speed | 2.0 GHz, Up to 2.6 GHz |
| Memory Type | 1x DDR4 SO-DIMM |
| Memory Support | 4GB, 8GB, 16GB, 32GB |
| Storage Type | 1x M.2 SATA3 2242 Slot |
| Storage Support | M.2: 256GB-1TB |

Power

| | |
|------------------------|-------------------------------------|
| Input Voltage Range | 9-36V DC |
| Standard Power Adapter | Optional 12V AC/DC Adapter, 5A, 60W |

Battery

| | |
|--------------|---------------------------|
| Battery Type | Optional Internal Battery |
|--------------|---------------------------|

Operating Systems

| | |
|---------|--|
| Windows | Windows 10 IoT, Windows 10 Pro, Windows 11 Pro |
|---------|--|

Expansion Slots

| | |
|--------------|---|
| Internal M.2 | 1x M.2 2230 Key E (for WiFi expansion option) |
|--------------|---|

Thermal & Environmental

| | |
|-----------------------|---|
| Operating Temperature | 0°C - 50°C (32°F - 122°F), -20°C - 60°C (Optional -4°F - 140°F) |
| Storage Temperature | -30°C - 70°C (-22°F - 158°F) |
| Cooling Solution | Passive - Fanless with Heatsink |
| Humidity Range | 10% - 95% Non-condensing |

Peripherals & Wireless Connectivity

| | |
|-----------|------------------------|
| WiFi | Optional WiFi |
| Bluetooth | Optional Bluetooth 4.0 |

Certification

| | |
|----------------|-------------------|
| Certifications | CE, FCC, UL 62368 |
|----------------|-------------------|

Specifications subject to change.

Display

| | |
|-------------------|---|
| Screen Size | 19 |
| Screen Resolution | 1280 x 1024 (SXGA) |
| Screen Ratio | 5:4 |
| Brightness | 350 nits, Optional 1000 nit High Brightness |

Touch Screen

| | |
|--------------|---------------------------------|
| Touch Screen | Projected Capacitive, Resistive |
|--------------|---------------------------------|

External I/O Ports

| | |
|------------------------|--|
| USB | 2x USB 2.0, 2x USB 3.2 |
| Serial / Com | 1x COM |
| Serial Protocol Detail | RS-232/422/485 (Default RS-232; select via BIOS) |
| Ethernet / LAN | 2x RJ45 2.5 GbE LAN |
| Video Outputs | 1x DisplayPort, supports DP++ |
| Audio Ports | 1x Audio Line-Out |
| Power Input Port | 3-Pin DC-In (Phoenix Type) |

Multimedia

| | |
|----------|------------------|
| Speakers | Optional Speaker |
|----------|------------------|

Enclosure

| | |
|------------------|-----------------------------|
| Material | Aluminum |
| IP Rating | IP66 Front Bezel |
| Color | Gray |
| Mounting Options | Panel Mount, VESA 100 Mount |

Weight / Dimensions

| | |
|------------|--|
| Weight | 7.2 kg (15.9 lbs) |
| Dimensions | 468 x 380 x 64.8 mm (18.4 x 15.0 x 2.6 in) |

Warranty

| | |
|----------|---------------|
| Warranty | Up to 5 Years |
|----------|---------------|

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

I/O Diagram Images



- A** DC In
- B** Audio Line Out
- C** Remote Power Switch
- D** Display Port

- E** LAN (x2)
- F** USB 3.2 (x2)
- G** COM
- H** USB 2.0 (x2)

USA

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

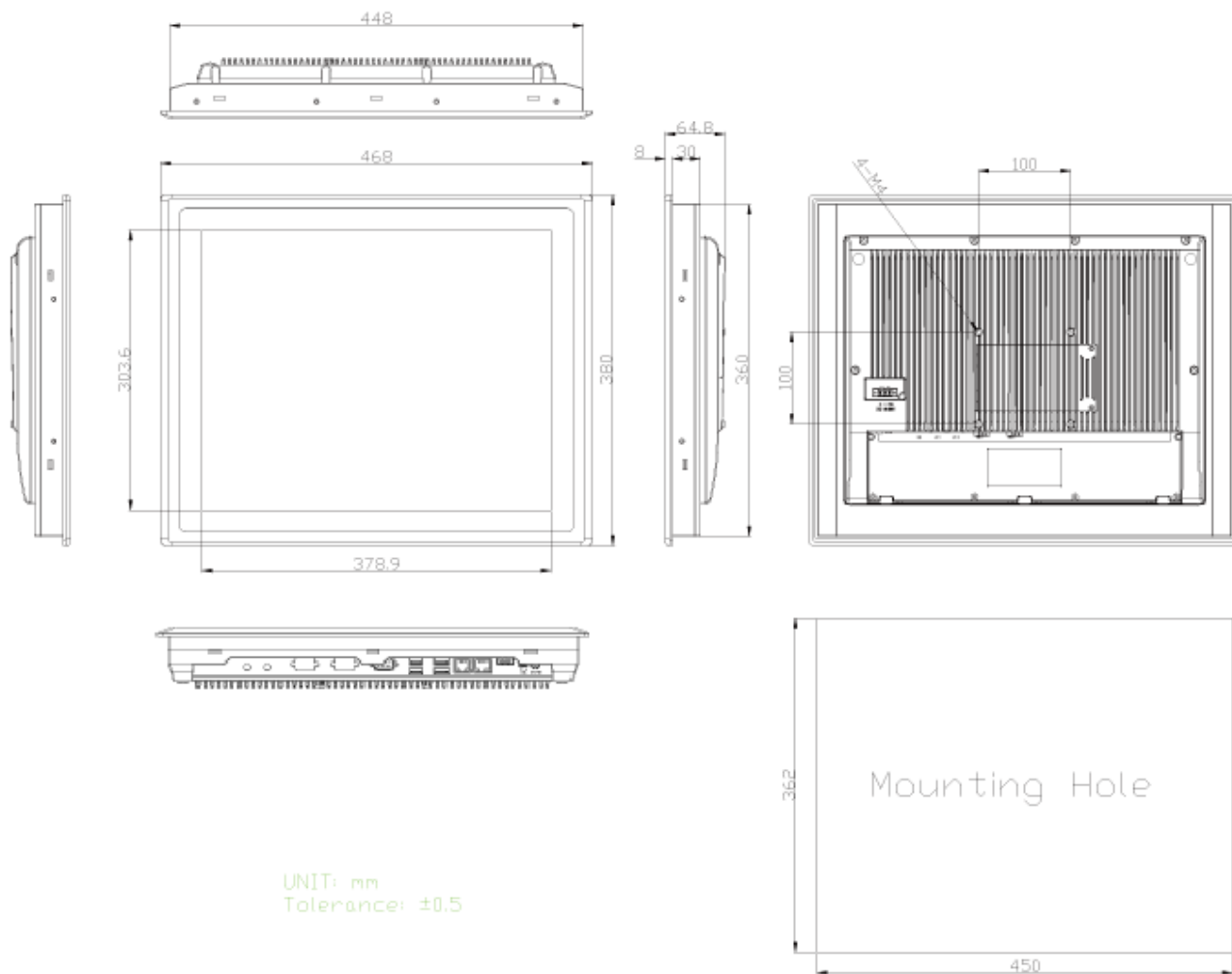
EUROPE

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

Tech Diagram Images



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