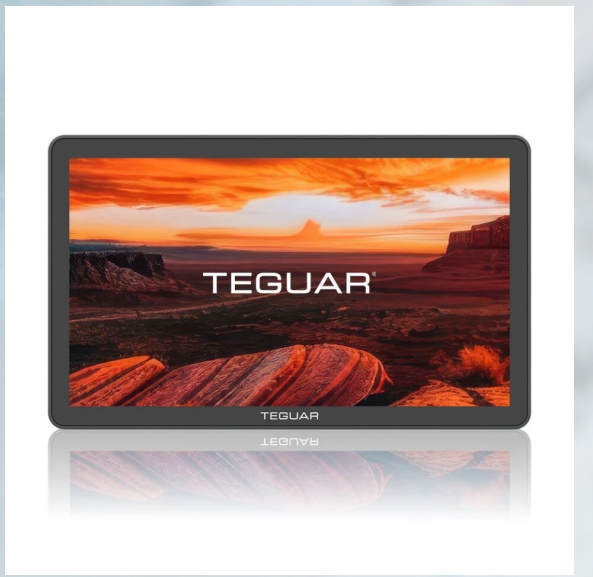
TEGUAR

# PINNACLE TP-7200-16

## 15.6" Core Ultra Panel PC




## Key Highlights

- Latest Fanless Meteor Lake Processor
- 15.6" High Brightness Display with Direct Bonded Touch
- USB-C, Digital IO, HDMI Ports, Dual M.2 NVMe
- Stunning Sleek Form Factor
- Solid Cast-Aluminum Housing
- Windows 11 Pro and IOT

VIEW ONLINE

The 15.6" Panel PC from the TP-7200 Series is designed to be the pinnacle of its kind, sure to exceed your expectations wherever it's needed. Its Core Ultra processor offers extremely high performance while maintaining the fanless passive cooling of the Pinnacle series. If you need a step further in the speed and efficiency department, add a boost in the form of a compatible Hailo card.

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# Technical Specifications

## Primary Components

| | |
|---|---|
| **Processor Family** | Intel Core Ultra Series 14th Generation Meteor Lake |
| **Processor Model** | Core Ultra 5 - 125U |
| **Processor Speed** | 2x Low-Power Efficient Cores up to 2.1GHz, 2x Performance Cores up to 4.3GHz, 8x Efficient Cores up to 3.6GHz |
| **Memory Type** | 1x DDR5 SO-DIMM |
| **Memory Support** | 32GB |
| **Storage Type** | 1x M.2 M Key 2242 NVME SSD Slot, 1x M.2 M Key 2280 NVME SSD Slot |
| **Storage Support** | 128GB-1TB |

## Power

| | |
|---|---|
| **Input Voltage Range** | 12-24V DC |
| **Max Power Consumption** | 60W |
| **Standard Power Adapter** | Optional 100W USB-C PD PSU, Optional 90W 3-Pin Terminal Block PSU (19V/4.74A) |

## Operating Systems

| | |
|---|---|
| **Windows** | Windows 10 IoT, Windows 11 IoT, Windows 11 Pro |
| **Linux** | Linux Ubuntu 24.04 or above (Contact your sales rep for more information) |

## Compatibility

| | |
|---|---|
| **Security Hardware** | fTPM 2.0 |

## Thermal & Environmental

| | |
|---|---|
| **Operating Temperature** | 0°C - 50°C (32°F – 122°F) |
| **Storage Temperature** | -20°C - 60°C (-4°F – 140°F) |
| **Cooling Solution** | Passive – Fanless with Heatsink |
| **Humidity Range** | 10% – 90% Non-condensing |
| **Storage Humidity** | 10% – 93% Non-condensing |

## Peripherals & Wireless Connectivity

| | |
|---|---|
| **WiFi** | Optional WiFi 6E |
| **Bluetooth** | Optional Bluetooth 5.2 |

## Certification

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

***Specifications subject to change.***

## Display

| | |
|---|---|
| **Screen Size** | 15.6" |
| **Screen Resolution** | 1920 x 1080 (Full HD) |
| **Screen Ratio** | 16:9 |
| **Brightness** | 800 nits |

## Touch Screen

| | |
|---|---|
| **Touch Screen** | Projected Capacitive (Multi-touch), Resistive |

## External I/O Ports

| | |
|---|---|
| **USB** | 1x USB 3.2 Type C (PD Input/DP Alt Mode), 2x USB 3.2 |
| **Serial / Com** | 1x COM |
| **Serial Protocol Detail** | COM1 and COM2 both support RS232/422/485 (COM 2 is an Optional Expansion) |
| **Ethernet / LAN** | 1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN |
| **Video Outputs** | 1x DisplayPort via USB-C Alt Mode, 1x HDMI |
| **Audio Ports** | 1x 3.5mm Audio Line-Out/Mic-In |
| **Power Input Port** | 3-Pin DC-In (Phoenix Type: -/NC/+), Optional POE, USB Type-C PD Input |

## Expansion Slots

| | |
|---|---|
| **Internal M.2** | 1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 2242 M-Key slot for NVMe SSD or AI Accelerator, 1x M.2 2280 M-Key slot for NVMe SSD |
| **Expansion Module support** | I/O Expansion Area comes by default with 2x USB 2.0 Ports, Options for 2nd COM and 8-Pin GPIO/DIO are Available |

## Enclosure

| | |
|---|---|
| **Material** | Aluminum |
| **IP Rating** | IP65 Front Bezel |
| **Color** | Black |
| **Control Buttons** | Power Button |
| **Mounting Options** | Panel Mount, VESA 100 Mount |

## Weight / Dimensions

| | |
|---|---|
| **Weight** | 3.1 kg (6.8 lbs) |
| **Dimensions** | 379 x 231 x 48 mm (14.9 x 9.1 x 1.9 in) |

## Warranty

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


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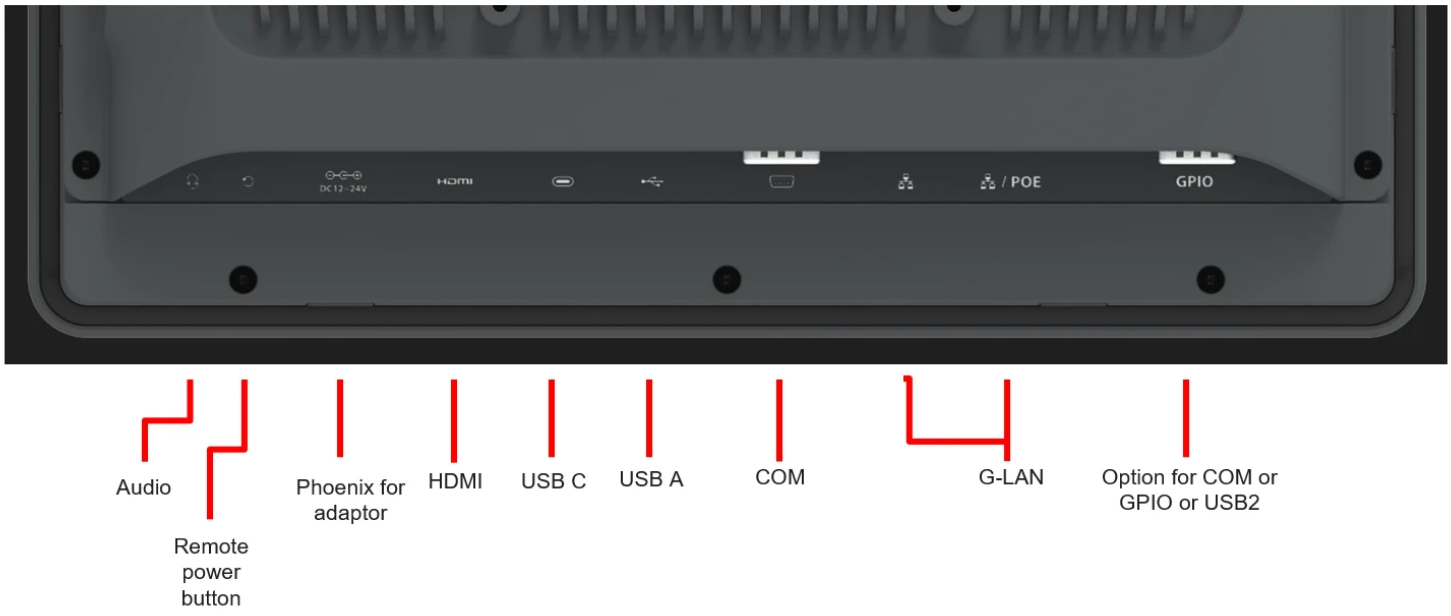
## Inputs / Outputs



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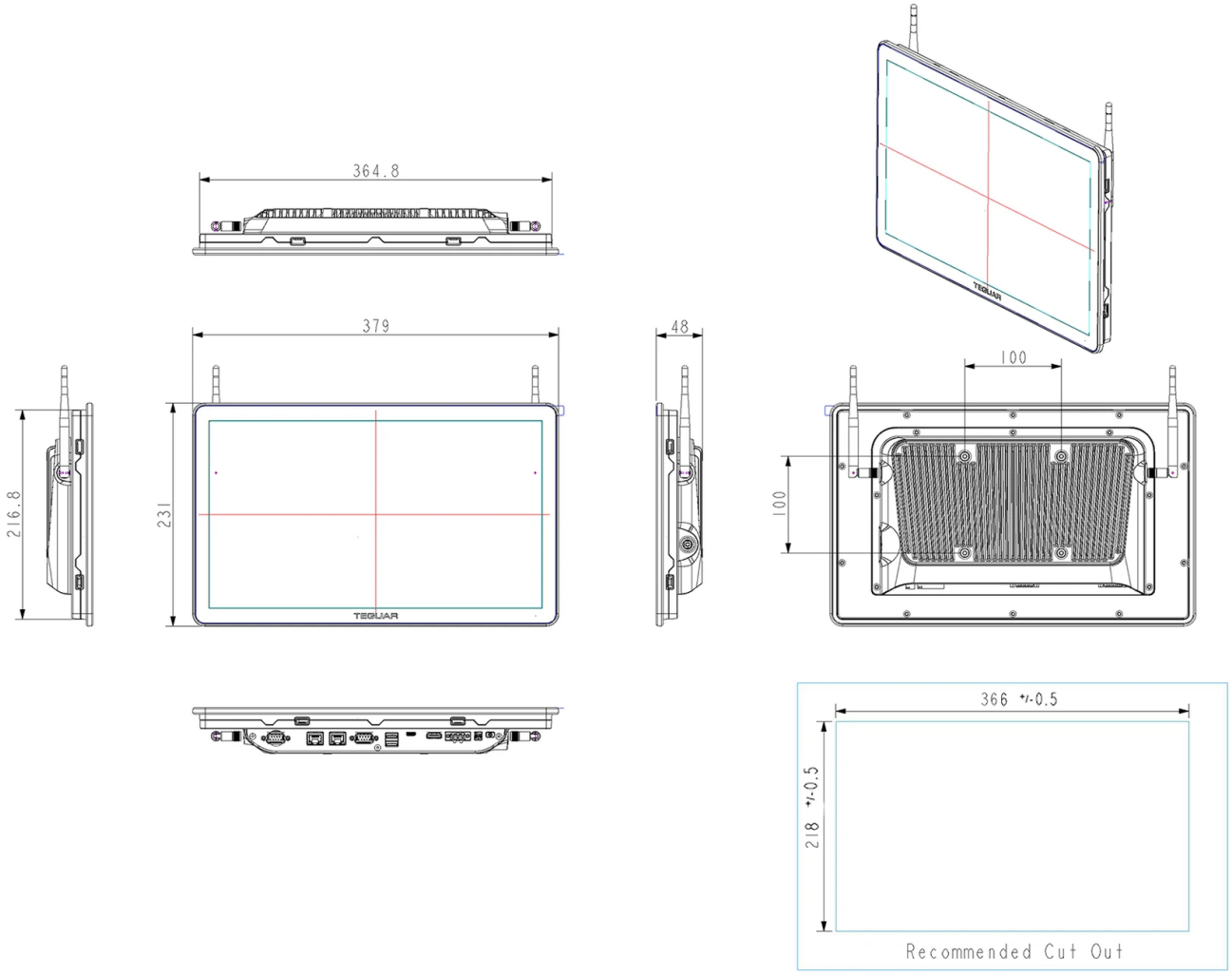
# Technical Drawings

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