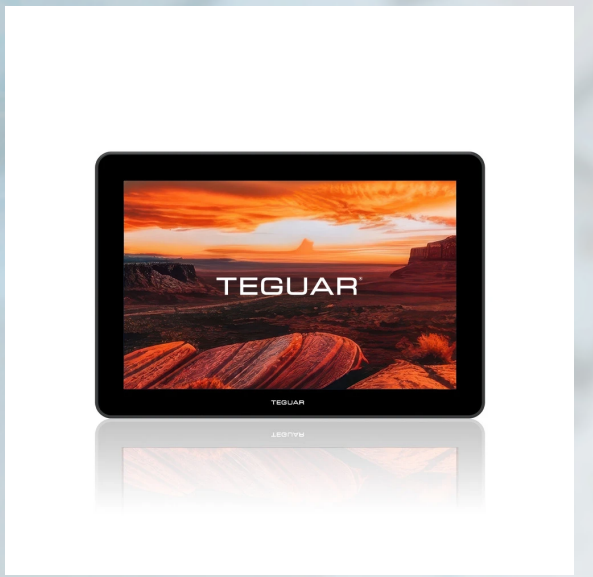
TEGUAR

PINNACLE TP-7200-12

12.1" Core Ultra Panel PC



Key Highlights

- Latest Fanless Meteor Lake Processor
- 12.1" 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 12.1" 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.

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 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	8GB, 16GB, 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

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	12.1"
Screen Resolution	1280 x 800 (WXGA)
Screen Ratio	16:10
Brightness	500 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch), Resistive

External I/O Ports

USB	1x USB 3.2 Type-C (DP 1.4A), 2x USB 3.2
Serial / Com	2x COM
Serial Protocol Detail	COM1 & COM2 Support RS-232/422/485 in DB9 Connector, COM2 is optional and can be replaced by other IO if selected
Ethernet / LAN	2x RJ45 LAN - 1xGbE and 1x2.5GbE, Optional POE PD Class 5 802.3bt
Video Outputs	1x DisplayPort via USB-C Alt Mode, 1x HDMI
Other Ports	IO space reserved for customization. Can be 2nd COM, additional 2 USB 2.0 ports, or 8 pin GPIO/DIO
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

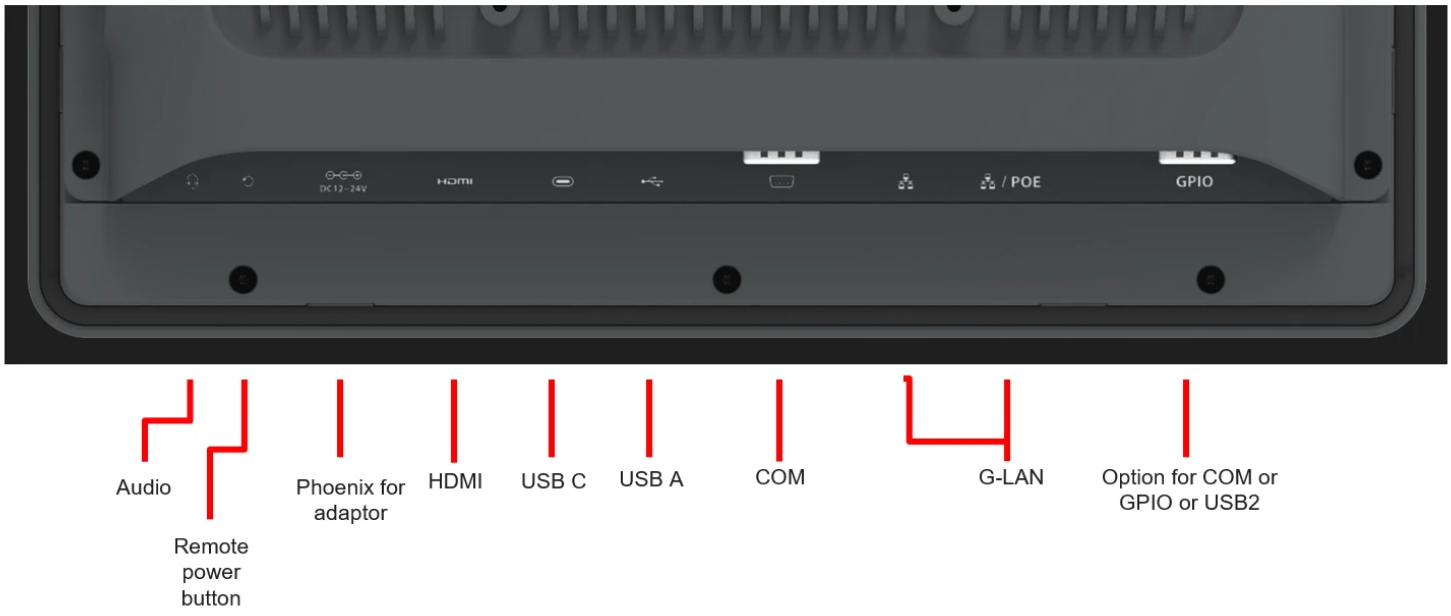
Weight	2.8 kg (6.2 lbs)
Dimensions	307 x 210 x 48.5 mm (12.1 x 8.3 x 1.9 in)

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

Inputs / Outputs

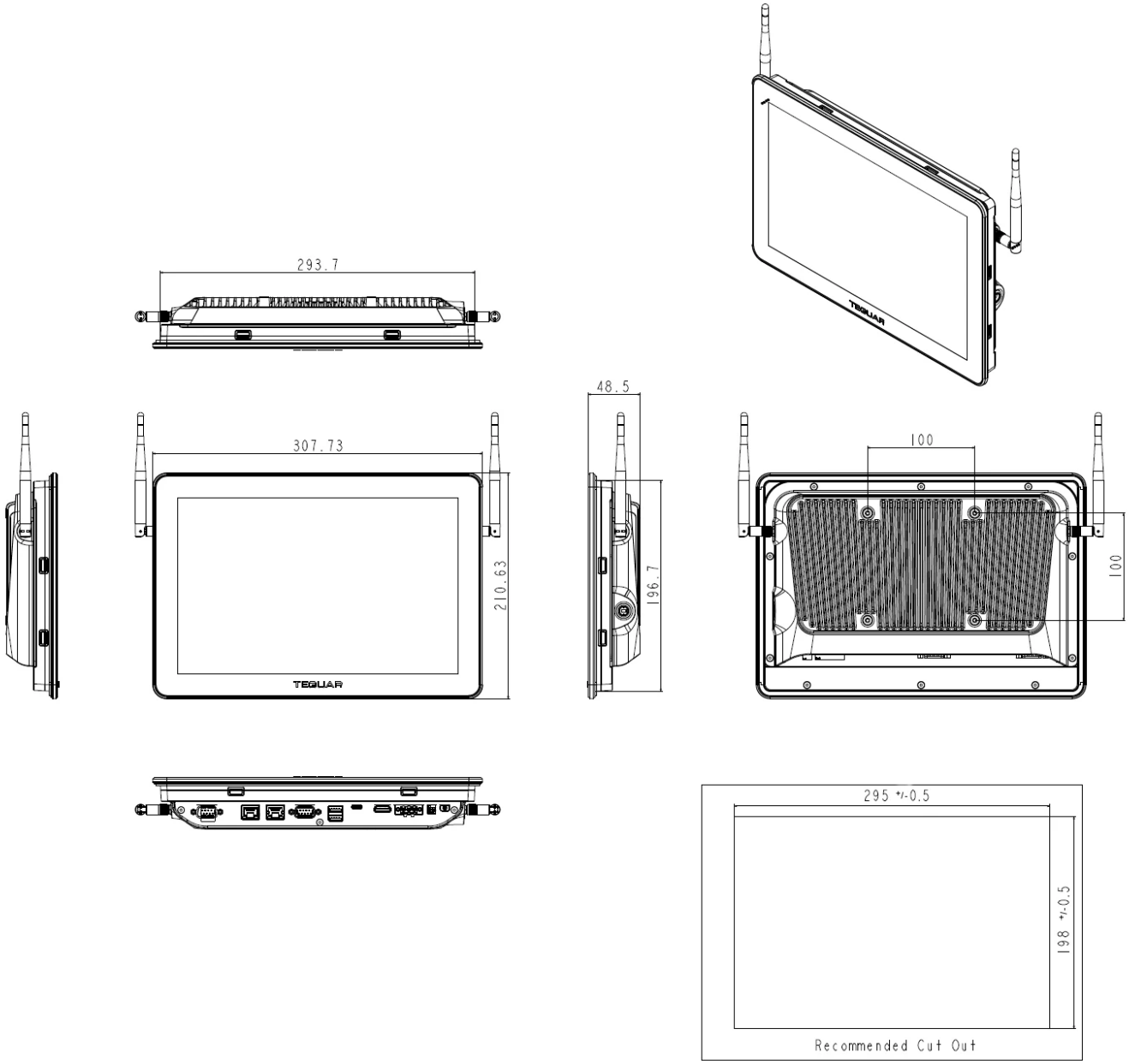


USA
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

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 Drawings



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