

# TP-3485-12

12.1" All-in-One Industrial PC



## Key Highlights

- 12.1" 1024x768 (500 Nit) LCD
- Intel Apollo Lake Pentium N4200 Quad Core CPU
- Fanless Dust Resistant Design
- IP65 Full Flat Front Panel with Resistive Touchscreen
- Rich I/O Support
- Optional Backup Battery

[VIEW ONLINE](#)

The TP-3485-12 is a slim panel PC built to last in harsh settings such as factory floors, production areas and dusty manufacturing environments. This PC has an IP65 rated front panel and the fanless design protects the system's internal parts from dust. The TP-3485-12 has an abundance of I/Os including 4x USB 3.0, 2x USB 2.0 and 2x LAN ports. The 12.1" high resolution resistive touchscreen is ideal for interfacing with an ERP system, viewing sensor information and factory automation. This panel PC has an optional internal backup battery that lasts up to 1.5 hours, so you have plenty of time to back up important data in the case of an unexpected power outage. The optional battery also allows you to move the computer to a different power supply without spending downtime powering down the PC. The TP-3485-12 can be mounted to your OEM machine via its VESA mounting holes, or placed virtually anywhere on your production floor to provide a reliable, long lasting computer solution.

### 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 Pentium Apollo Lake

**Processor Model** N4200

**Processor Speed** 1.10 GHz

**Memory Type** 1x DDR3L SO-DIMM

**Memory Support** 2GB, 4GB, 8GB

**Storage Type** 1x 2.5" SATA Drive Bay for SSD/HDD, M.2

**Storage Support** 32GB-1TB

## Power

**Standard Power Adapter** 100~240VAC, Output 9V @ 4.73A

## Battery

**Battery Type** Optional Internal Battery

**Battery Operating Time** 1.5hrs

## Operating Systems

**Windows** Windows 10 IoT, Windows 10 Pro

## Expansion Slots

**Video Card Support** Intel HD Graphics 505

## Thermal & Environmental

**Operating Temperature** 0°C - 40°C (32°F - 104°F)

**Cooling Solution** Passive - Fanless

**Humidity Range** 20% - 90% Non-condensing

## Weight / Dimensions

**Weight** 2.3 kg (5.1 lbs)

**Dimensions** 313 x 251 x 36.6 mm (12.3 x 9.9 x 1.4 in)

## Warranty

**Warranty** Up to 5 Years

*Specifications subject to change.*

## Display

**Screen Size** 12.1"

**Screen Resolution** 1024 x 768 (XGA)

**Screen Ratio** 4:3

**Brightness** 500 nits

## Touch Screen

**Touch Screen** Resistive

## External I/O Ports

**USB** 2x USB 2.0, 4x USB 3.0

**Serial / Com** 3x COM

**Serial Protocol Detail** 2x RS-232/422/485 (Configurable in BIOS), 1x RS232

**Ethernet / LAN** 2x RJ45 GbE LAN

**Video Outputs** 1x DisplayPort, 1x Optional VGA

**Audio Ports** 1x Optional Line in by RCA Jack

**Power Input Port** Locking Type

## Multimedia

**Speakers** 2x 2W Speakers

## Enclosure

**Material** Steel

**IP Rating** IP65 Front Bezel

**Color** Black

**Mounting Options** VESA 100 Mount, VESA 75 Mount

## Certification

**Certifications** CE, FCC, IEC 60950-1, VCCI Class B

## 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

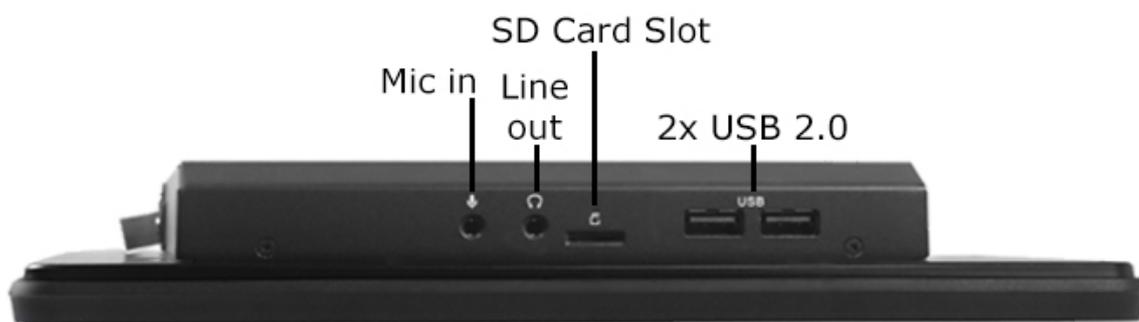
## ASIA

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



Bottom



Side

### USA

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

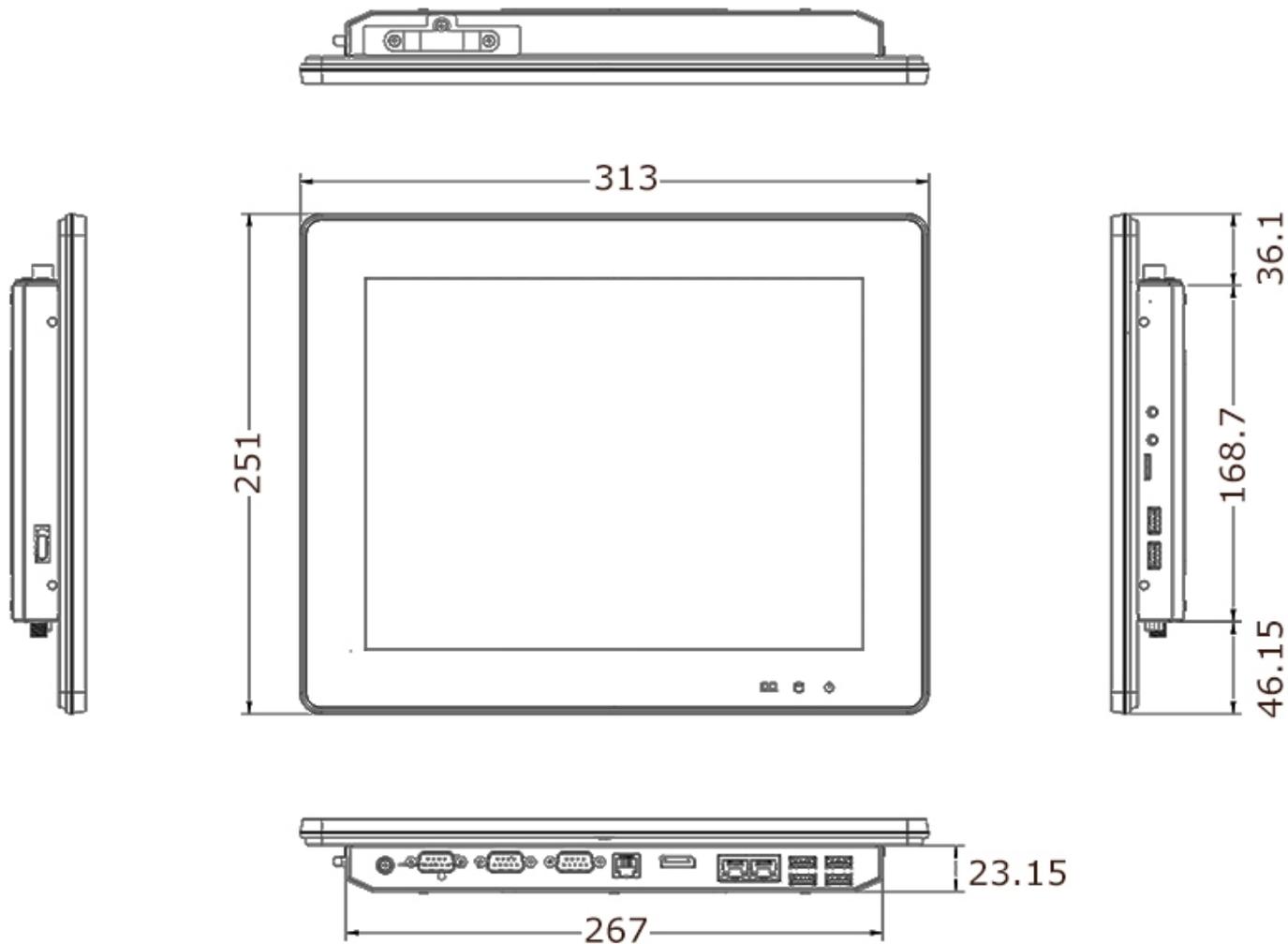
### EUROPE

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