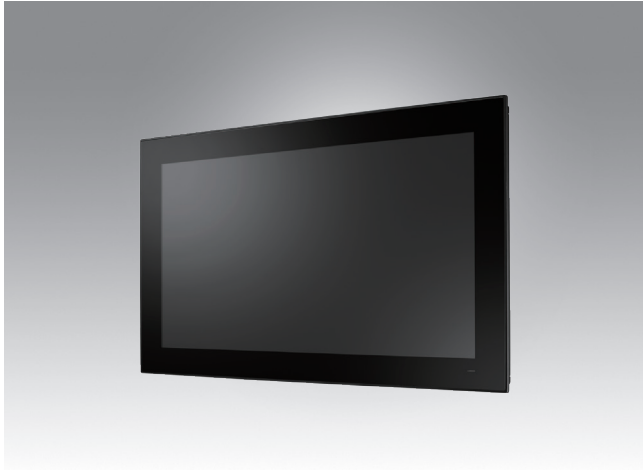


# PPC-324W TGL

## 23.8" Fanless Panel PC with Intel® Core™ i7/i5/i3 Processor



### Features

- Industrial-grade 23.8" LCD panel with 30k backlight lifetime
- True-flat touchscreen with multi-touch projected capacitive control
- High-performance, fanless 11th generation Intel® Core™ i processor
- Dual channel memory slots, max 64G
- Compact, fanless design with aluminum alloy enclosure
- IP66-rated front panel
- Supports dual displays (1 x external HDMI)
- 1 x M.2 bay (2242/2280 NVME or SATA Interface) for storage and support SATA RAID 0, 1
- 1 x 2500BASE-T Ethernet Supports Time-Sensitive Network(TSN) technology
- Supports VESA 100
- Support TPM2.0 hardware security
- Supports Type C (USB only)



### Introduction

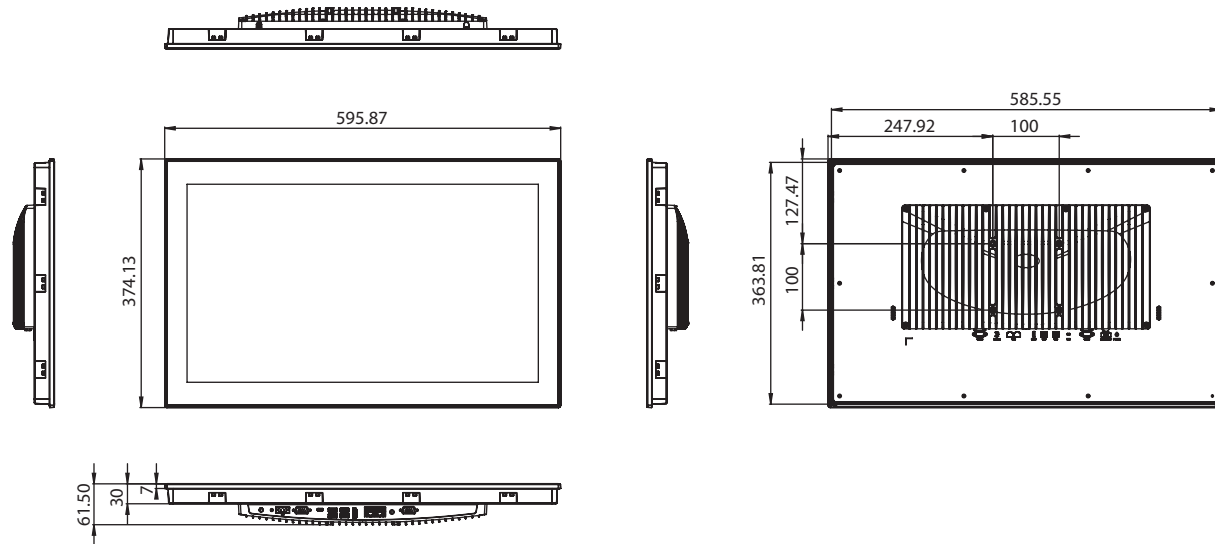
PPC-324W TGL is an 23.8" Fanless Panel PC equipped Intel 11th Gen Core i7/i5/i3, providing high computing performance with robust aluminum alloy enclosure. It also leverages M.2 M key NVMe PCIe to accommodate extremely high data rate and low latency advantage. PPC-324W TGL features 3 x USB 3.2, 2 x series ports and 1 x HDMI for flexible access and connection. The PPC-324W TGL is an excellent solution to enable quick data capture, processing and data digitalization in various industrial applications.

### Specifications

|                          |                                |                                                                                                                                                                                                    |                                   |                                   |
|--------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| System                   | CPU                            | i3-1115G4E                                                                                                                                                                                         | i5-1145G7E                        | i7-1185G7E                        |
|                          | Cores                          | Dual Core                                                                                                                                                                                          | Quad Core                         | Quad Core                         |
|                          | Frequency                      | 2.2GHz; 3.90GHz with turbo boost                                                                                                                                                                   | 1.5 GHz; 4.1 GHz with turbo boost | 1.8 GHz; 4.4 GHz with turbo boost |
|                          | Cache                          | 6 MB                                                                                                                                                                                               | 8 MB                              | 12 MB                             |
|                          | TDP                            | 15W                                                                                                                                                                                                | 15W                               | 15W                               |
|                          | Memory                         | 2 x SO-DIMM DDR4 3200MHz (max. 32GB x 2)                                                                                                                                                           |                                   |                                   |
|                          | Storage                        | 1 x 2.5" SATA bay<br>1 x M.2 bay (2242/2280 NVME or SATA Interface) for storage and support SATA RAID 0, 1                                                                                         |                                   |                                   |
|                          | Network (LAN)                  | 1 x Intel I219LM controller; Speed: 10M / 100M / 1000M<br>1 x Intel I226LM controller; Speed: 10M / 100M / 1000M / 2500M                                                                           |                                   |                                   |
|                          | I/O                            | 2 x Serial ports: 1 x RS-232, 1 x RS-232/422/485(Adjustable through BIOS)<br>3 x USB 3.2, 1 x USB 2.0, 2 x USB 2.0 (internal), 1 x Type C (USB only)<br>1 x HDMI1.4<br>1 x TPM 2.0<br>1 x Line out |                                   |                                   |
|                          | Speaker                        | 2 x 1W                                                                                                                                                                                             |                                   |                                   |
| Physical Characteristics | Expansion                      | 1 x M.2 2230 E-key for wireless card                                                                                                                                                               |                                   |                                   |
|                          | Watchdog Timer                 | 255 timer levels, set up by software                                                                                                                                                               |                                   |                                   |
|                          | Dimensions                     | 595.9 x 347.1 x 61.5 mm (23.5" x 14.7" x 2.4")                                                                                                                                                     |                                   |                                   |
| OS Support               | Weight                         | 8.6kg (18.96lb)                                                                                                                                                                                    |                                   |                                   |
|                          | OS Support                     | Microsoft® Win 10 IOT LTSC (64-bit), Win11, Linux                                                                                                                                                  |                                   |                                   |
|                          | Input Voltage                  | 12 ~ 30 V <sub>DC</sub>                                                                                                                                                                            |                                   |                                   |
| LCD                      | Power Consumption              | 80W (Burn-in test 8.1 in Windows 10 64-bit)                                                                                                                                                        |                                   |                                   |
|                          | Display Type                   | 23.8" LCD (LED backlight)                                                                                                                                                                          |                                   |                                   |
|                          | Resolution                     | 1920 x 1080                                                                                                                                                                                        |                                   |                                   |
|                          | Viewing Angle                  | 89(left), 89(right), 89(up), 89(down)                                                                                                                                                              |                                   |                                   |
|                          | Luminance (cd/m <sup>2</sup> ) | 350                                                                                                                                                                                                |                                   |                                   |
|                          | Contrast Ratio                 | 1000                                                                                                                                                                                               |                                   |                                   |
|                          | Backlight Lifetime             | 30,000 hr (min.)                                                                                                                                                                                   |                                   |                                   |
|                          | Touch Type                     | 10-point multi-touch projected capacitive                                                                                                                                                          |                                   |                                   |
| Touchscreen              | Light Transmission             | ≥88%                                                                                                                                                                                               |                                   |                                   |
|                          | Controller                     | USB interface                                                                                                                                                                                      |                                   |                                   |
| Environment              | Operating Temperature          | -10 ~ 50 °C (14~122 °F)                                                                                                                                                                            |                                   |                                   |
|                          | Storage Temperature            | -20 ~ 60 °C (-4 ~ 140 °F)                                                                                                                                                                          |                                   |                                   |
|                          | Relative Humidity              | 95% @ 40 °C (non-condensing)                                                                                                                                                                       |                                   |                                   |
|                          | Shock                          | Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27                                                                                                                           |                                   |                                   |
|                          | Vibration                      | Operating Random Vibration Test 5 ~ 500Hz, 2Grms @with SSD, follow IEC 60068-2-64                                                                                                                  |                                   |                                   |
|                          | EMC                            | CE, FCC Class B, BSMI, VCCI, UKCA, EN60601-1-2                                                                                                                                                     |                                   |                                   |
|                          | Safety                         | CB, UL, CCC, UKCA                                                                                                                                                                                  |                                   |                                   |
|                          | Front Panel Protection         | IP66 compliant                                                                                                                                                                                     |                                   |                                   |

## Dimensions

Unit: mm

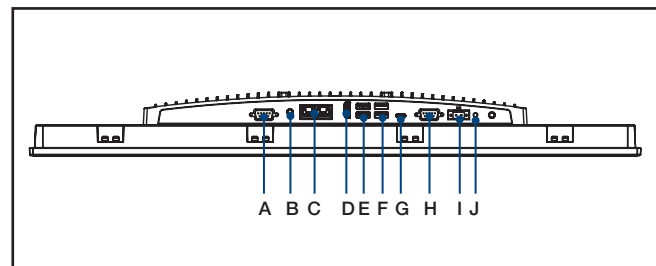


**Panel Cutout Dimensions: 586.5 x 364.8 mm (23.09 x 14.36 in)**

## Ordering Information

| Part Number        | Description                                 |
|--------------------|---------------------------------------------|
| PPC-324W-PB5A      | 23.8" PPC w/Intel i5-1145G7E, P-Cap         |
| PPC-324W-PB3A      | 23.8" PPC w/Intel i3-1115G4E, P-Cap         |
| PPC-324W-PB7A      | 23.8" PPC w/Intel i7-1185G7E, P-Cap         |
| 96PSA-A120W24T2-4  | Power adapter 100-240V 120W 24V             |
| PPC-WLAN-D2        | M.2, WiFi6 +BT5.2, 2T2R, w/Antenna          |
| PPC-ARM-A03        | ARM VESA Standard for PPC series            |
| PPC-174T-WL-MTE    | Wall mount kit for PPC series               |
| PPC-Stand-A1E      | Stand for PPC series                        |
| 1702002600         | Power Cable UL/CSA (USA) 180D 125V10A 1.83M |
| 1702002605         | Power Cable 90D 220V EUROPEAN 250V/6A 1.8M  |
| 1700000237         | Power Cord PSE 3P 12A 125V 183cm            |
| 96CB-POWER-B-1.8MA | Power code 3P CCC(China) 1.8M               |
| 98R3P300010        | PPC-300 RFID Read only 13.56MHz&125k        |

## I/O View



- A. COM2: 1 x RS-232/422/485
- B. 1 x Line out
- C. 2 x LAN
- D. 1 x HDMI 1.4
- E. 1 x USB 2.0, 1 x USB 3.2
- F. 2 x USB 3.2
- G. 1 x Type C (USB only)
- H. COM1: RS-232
- I. DC In
- J. Power Button

Please note: If some optional modules are offered with the system, additional system certificates may be required in certain regions/countries. Please contact Advantech for certificate compliance.

# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.