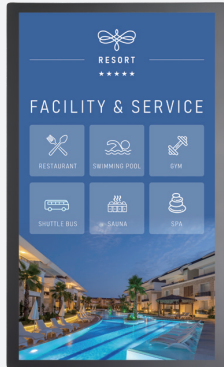


# XPPC 24-100

23.8" TFT FHD 16:9 Slim Bezel, Multi-touch Computer  
Powered by Intel® Apollo Lake J3455 Processor



## Main Features

- 23.8" TFT FHD 16:9 panel
- 10 Points P-Cap multi-touch with slim bezel design
- IP65 protection on the front
- Support: VESA/panel/openframe mount
- Intel® Celeron® processor J3455, Quad Core, 1.50 GHz
- 1 x DDR3L up to 8GB, M.2 M-key 2242 for storage device
- Support power input: 19 VDC

## Product Overview

The 23.8" fanless touch computer XPPC 24-100 incorporating an industrial motherboard is intended for versatile industrial applications. XPPC 24-100 has a touch screen LED backlight LCD panel with 1920 x 1080 (FHD) resolution and 350-nit brightness. The front panel which adopts flush design and complies with IP65 standard by panel mount makes it the perfect fit in industrial applications. XPPC 24-100 powered by Intel® Celeron® processor and support DDR3L up to 8GB. XPPC 24-100 has slim design and weight optimization. XPPC 24-100 support multi-mounting choice based on different application. XPPC 24-100 can be applied in different situations. For example: hotel self-check in system, department Store, welcome board and advertisement.

## Specifications

### Panel

- LCD size: Innolux G-series 23.8", 16:9
- Resolution: Full HD 1920 x 1080
- Luminance: 350cd/m2
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)

### Touch Screen

- 10 Points P-Cap (projected capacitive touch)
- Optical bonding
- Glass surface treatment: AS

### System

- CPU: on-board Intel® Celeron® processor J3455, 1.50GHz, 2M cache
- Graphic: Intel® HD Graphics

### Main Memory

- 1 x SO-DIMM socket support up to 8GB DDR3L 1866 MHz, non-ECC and un-buffered memory

### Storage Device

- 1 x M.2 M key 2242 SSD up to 128G max (support SATA 3.0)

### Expansion

- 1 x mini-PCIe full-size connector with SIM slot (full-size) on board, support Wi-Fi/LTE module

### Rear I/O

- LED for power on/off
- Power switch
- 19V DC-in power jack lock type
- 2 x RJ45 with LEDs for Gigabit LAN
- 1 x HDMI 2.0, resolution 4096 x 2160 60Hz
- 2 x USB 3.0
- 1 x Line-out
- COM 1: RS232/422/485

### Front I/O

- 2 x Antenna hole

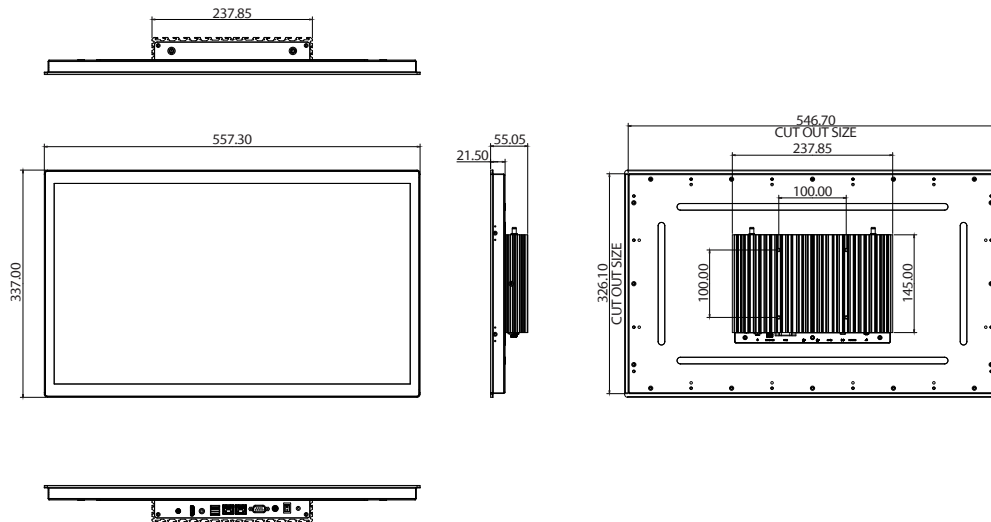
### Mechanical

- Color/material: black silver/metal sheet
- Support
  - VESA mount 100mm x 100mm
  - Panel mount
  - Open frame

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## Dimension Drawing



### Environment

- Vibration
  - IEC 68 2-64
  - 2Grms @ sine, 5~500Hz, 1hr/axis
  - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
  - IEC 68 2-27
  - 20g peak acceleration (11 msec. duration)
- Temperature
  - Operating temperature: 0°C~50°C
  - Storage temperature: -20°C~60°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90%

### Dimensions

- 557.3mm x 337.0mm x 55.05mm
- System weight: 6 kg
- Package weight: 8.5 kg

### Power Supply

- 1 x External 90W AC/DC power adapter with lock (power adapter is included in accessory)
- Input: 100VAC to 240VAC
- Output: DC+19VDC

### Certifications

- CE (EN55035 + EN55032)
- FCC Class A (EMI part 15B)
- LVD

### OS Support Lists

- Windows 10 64-bit
- Linux 4.1

## Ordering Information

### Barebone

- **XPPC24-100 (P/N: 10W30XPPC01X0)**  
23.8" FHD LED P-Cap touch computer, Intel® Celeron® J3455
- **Panel Mount Kit (P/N: TBC)**
- **Open Frame Kit (P/N: TBC)**

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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