

XPPC 24-100

23.8" TFT FHD 16:9 Slim Bezel, Multi Touchscreen Computer

Powered by Intel® Apollo Lake J3455 Processor



Main Features

- 23.8" TFT FHD 16:9 panel
- 10-point PCAP 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 2242 Key M for storage device
- Support power input 19 VDC

Product Overview

The 23.8" fanless touchscreen 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 nits 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
 - LCD panel: 350cd/m2
 - XPPC PCAP touch: 315cd/m2
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)

Touch Screen

- 10-point PCAP (projected capacitive touch)
- Optical bonding
- Glass surface treatment: AS (Anti-Smudge Coating for easy cleaning)

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 2242 Key M SSD (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

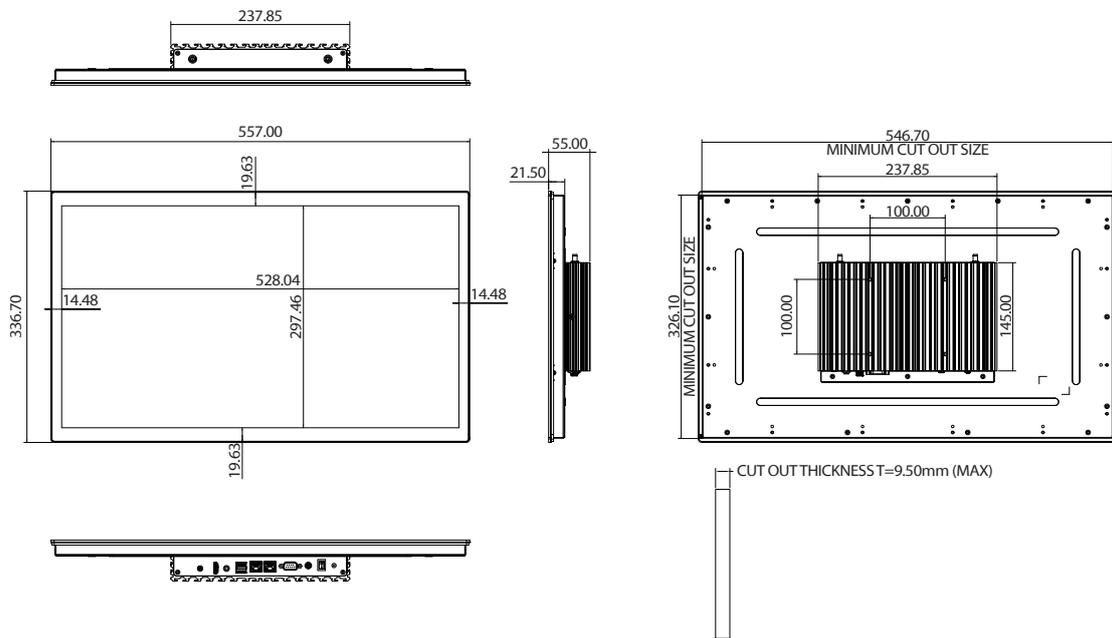
Front I/O

- 2 x Antenna hole

Mechanical

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

Dimension Drawing



Environment

- Vibration
 - IEC 60068-2-64
 - 2Grms @ sine, 5~500Hz, 1hr/axis
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
 - IEC 60068-2-27
 - 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

- System: 557mm x 336.7mm x 55mm
- System weight: 6 kg
- Package: 650mm x 480mm x 170mm
- 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 (EN62368-1)

OS Support Lists

- Windows 10 64-bit
- Linux 4.1

Ordering Information

Barebone

- **XPPC 24-100 (P/N: 10W30XPPC01X0)**
23.8" FHD LED multi touchscreen computer, Intel® Celeron® J3455
- **Panel mount kit (P/N: 88W30XPPC00X0)**
- **Open frame kit (P/N: 88W30XPPC01X0)**