XPPC 24-10N97A

23.8" TFT FHD 16:9 Slim Bezel, Embedded Touchscreen Computer
Powered by Intel® Processor N97





Main Features

- 23.8" TFT FHD 16:9 panel
- 10-point PCAP touchscreen with slim bezel design
- IP65 protection on the front
- VESA/panel mount/open frame supported
- Intel® processor N97, 6M cache, up to 3.6GHz
- 1 x DDR4 SO-DIMM, up to 16GB
- 1x M.2 Key M 2242, supports PCIe x1 & SATA for storage
- 1 x Full-size Mini PCIe, supports a Wi-Fi/LTE module
- Support DC 12V~24V power input

Product Overview

The 23.8" fanless touchscreen computer XPPC 24-10N97A, featuring an industrial-grade motherboard, is designed for versatile industrial applications. It is equipped with a 23.8" LED-backlit touchscreen LCD panel offering 1920 × 1080 (FHD) resolution and 350-nit brightness. The front panel features a flush design and complies with the IP65 standard when panel-mounted, making it an ideal fit for industrial environments. Powered by the Intel® processor N97, the XPPC 24-10N97A supports up to 16GB of DDR4 memory for reliable performance. Its slim and lightweight design ensures easy installation and enhanced flexibility. The system also supports multiple mounting options, allowing versatile deployment across different applications — such as hotel self check-in systems, department stores, welcome kiosks, and digital signage.

Specifications

Panel

- LCD size: Innolux G-series 23.8", 16:9
- Resolution: 1920x1080 (FHD)
- Luminance
  - LCD panel: 350 nits
  - XPPC PCAP touch: 85% of panel's luminance after air bonding
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Touchscreen
  - 10-point PCAP (projected capacitive touch)
  - Air bonding
  - Glass surface treatment: AS

Processor

- Intel® processor N97, TDP 12W

Integrated Graphics

- Intel® UHD Graphics

System Capabilities

- TPM 2.0

Memory

- 1 x DDR4 SO-DIMM, non-ECC, up to 16GB

Storage

- 1 x M.2 Key M 2242 NVMe SSD (PCIe 3.0 x1, SATA 3.0)

Expansion Slot

- 1 x Mini PCIe slot
  - Support an optional Wi-Fi/BT module

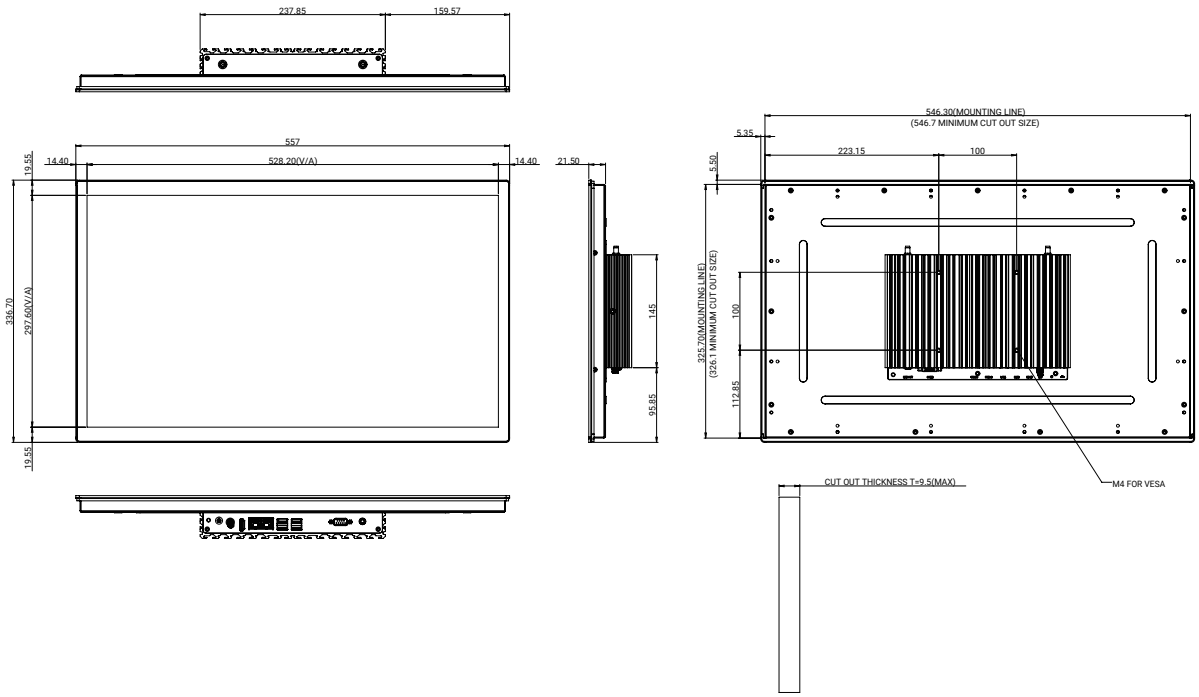
I/O Interface Rear

- 1 x DC 12V power input
- 2 x 1GbE RJ45 port, Intel® I210AT
- 1 x HDMI® 1.4, up to 3840x2160@30Hz
- 2 x USB 3.2 Gen 1x1, Type-A
- 2 x USB 2.0, Type-A
- 1 x Line out
- 1 x Power button
- 1 x COM port, supports RS-232/422/485
- 2 x Antenna hole

I/O Interface Internal

- 1 x 4-pin header for Line out
- 1 x 10-pin header for GPIO (4 x DI, 4 x DO)
- 1 x 9-pin header for COM2, supports RS-232
- 1 x 3-pin jumper for LCD panel voltage 3.3V/5V setting
- 1 x DC Power thru one 2-pin 3.96mm pitch ATX connector (lockable)

Dimension Drawing



Mechanical

- Dimensions: 557mm (W) x 336.7mm (H) x 55mm (D)
- Net weight: 6kg
- Mounting type:
  - VESA mount 100mm x 100mm
  - Panel mount (optional kit, 12 brackets and 12 screws needed)
  - Open frame (optional kit)

Package Information

- Dimensions: 650mm (W) x 480mm (D) x 170mm (H)
- Gross weight: 8.5kg

Environment

- Temperature
  - 0°C~50°C with 0.7 m/s air flow
  - Storage temperature: -20°C~60°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90%
- Vibration
  - IEC 60068-2-64
  - 2Grms@sine, 5Hz~500Hz, 1hr/axis
  - 2.2Grms@random condition, 5Hz~500Hz, 0.5hr/axis (non-operating)
- Shock
  - IEC 60068-2-27
  - 20g peak acceleration (11 msec. duration)

Power Supply

- DC 12V~24V power input
  - 1 x 96W AC/DC lockable power adapter included in accessory

Certifications

- CE (EN 55035 + EN 55032)
- FCC Class A (EMI Part 15B)
- LVD (EN 62368-1)

Operating System

- Windows 11
- Windows 10, 64bit
- Linux

Ordering Information

- **XPPC 24-10N97A (PN: 10W30XPPC48X0)**
  23.8" 10-point PCAP touchscreen computer, FHD LED, Intel® processor N97 w/ air bonding
- **Panel mount kit (P/N: 10W30XPPC02X0)**
- **Open frame kit (P/N: 88W30XPPC01X0)**

We reserve the right to change specifications and product descriptions at any time without prior notice.