

XPPC 16-10N97

15.6" TFT FHD 16:9 Slim Bezel Embedded Touch Screen Computer

Powered by Intel® Processor N97



Main Features

- ◆ 15.6" TFT FHD 16:9 panel
- ◆ 10 Points P-Cap multi-touch with slim bezel design
- ◆ IP65 protection on the front
- ◆ Support: VESA / Panel / Open Frame Mount
- ◆ Intel® Processor N97, 6M Cache, up to 3.60 GHz
- ◆ 1 x DDR4 260-pin SO-DIMM, up to 16 GB
- ◆ 1x M.2 Key M 2242, supports PCIe x 1 & SATA for storage
- ◆ 1 x full-size miniPCIe, available for Wi-Fi module
- ◆ Support 12V DC power input

Product Overview

The 15.6" embedded fanless panel PC XPPC16-10N97 embedded with an industrial motherboard is intended for vertical industrial applications. XPPC16-10N97 featured with industrial grade panel with 1920 x 1080 (FHD) resolution and 450 nits brightness. The front panel adopts slim bezel design and complies with IP65 rated and flexible mounting options makes it the perfect fit in industrial applications. XPPC16-10N97 powered by Intel® Processor N97, built-in Intel® UHD Graphics available for AI inference, enhancing the visual quality and graphics performance. With rich IO of USB 2.0, USB 3.2, RJ45, COM fulfilling the demands of various edge computing applications. XPPC16-10N97 is ideal for diverse applications, such as self-service kiosk, smart retail, payment machine ..etc.

Specifications

Panel

- ◆ LCD size: 15.6", 16:9
- ◆ Resolution: Full HD 1920 x 1080
- ◆ Luminance:
 - LCD panel: industrial grade 450cd/m2
 - XPPC PCAP touch: 90% of panel's luminance after optical bonding
- ◆ Contrast ratio: 1000
- ◆ LCD color: 16.7M
- ◆ Viewing angle: 89 (U), 89 (D), 89 (L), 89(R)

Touch Screen

- ◆ 10 points P-Cap (Projected CapacitiveTouch)
- ◆ Optical Bonding
- ◆ Glass Surface Treatment: AS (Anti-Smudge Coating for easy cleaning)

System

- ◆ 12th Gen Intel® Alder Lake-N Processor N97
- ◆ Intel® UHD Graphics
- ◆ TPM 2.0

Main Memory

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

Storage Device

- ◆ 1 x M.2 Key M 2242 NVMe SSD (PCIe 3.0 x1, SATA 3.0)
- ◆ 1 x Mini PCIe slot, supports mSATA

Expansion

- ◆ 1 x Mini PCIe slot, supports Wi-Fi/BT module

I/O Interface - Rear

- ◆ 1 x +12V DC in
- ◆ 2 x 1GbE RJ45 port, Intel® i210AT
- ◆ 1 x HDMI 2.0b, up to 3840x2160@60Hz
- ◆ 2 x USB 3.2 Gen 1x1, Type-A
- ◆ 2 x USB 2.0, Type-A
- ◆ 1 x COM port, supports RS-232/RS422/RS485
- ◆ 1 x Line out
- ◆ 1 x Power button

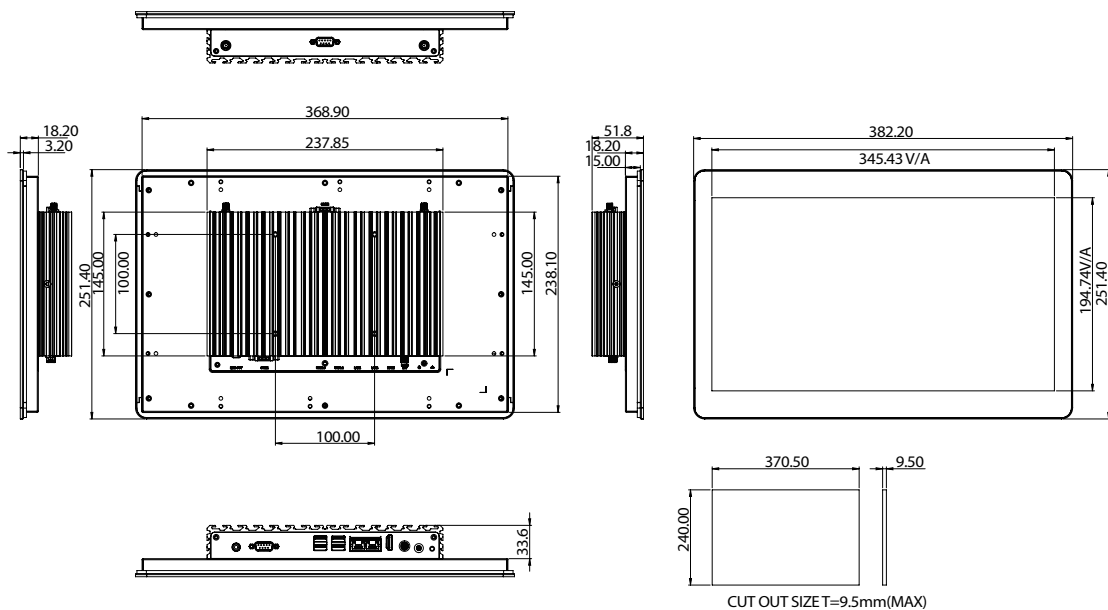
I/O Interface - Front

- ◆ 2 x Antenna hole
- ◆ 1 x COM port, supports RS232 (R/5V/12V)

I/O Interface - Internal

- ◆ 1 x eDP/LVDS internal connector, resolution up to 1920 x 1080@60Hz
- ◆ 1 x 4-pin USB 2.0
- ◆ 1 x 4-pin Line out
- ◆ 1 x LCD panel INV thru 2x3-pin Box header
- ◆ 1 x 3-pin jumper for LCD panel voltage 3.3V/5V setting
- ◆ 1 x Internal DC Power thru one 2-pin p=3.96mm ATX connector (lockable)

Dimension Drawing



Mechanical

- System Unit
 - Dimension: 382.2mm (W) x 251.4mm (D) x 51.8mm (H)
 - Net weight: 2.84 kg/ Unit
- Support
 - VESA Mount 100mm x 100mm
 - Panel Mount (optional kit)
 - Open Frame (optional kit)
- Package Carton
 - Dimension: 481mm x 361mm x 220mm
 - Gross weight: 4.5 kg/ (1 unit / per carton)

Environment

- Operating temperature:
 - Ambient with air flow: 0°C ~ 50°C
 - Storage temperature: -20°C ~ 60°C
- Relative humidity: 0%~90% (non-condensing)
- Shock protection: 20g peak acceleration, 11 ms according to IEC 60068-2-27
- Vibration protection
 - Random: 2.2Grms @ 5~500Hz, 0.5hr/axis (non-operating), IEC60068-2-64
 - Sinusoidal: 2Grms @5~500Hz, 1hr/axis, IEC60068-2-6

Power Supply

- 1 x 12V, 65W AC/DC lockable adapter included in accessory
- +12VDC In

Certifications

- CE (EMC EN55035 + EN55032)
- FCC Class A (EMI Part 15B)
- LVD (EN62368-1)

OS Support Lists

- Windows 11
- Windows 10, 64bit
- Linux

- **XPPC16-10N97(P/N: 10W30XPPC39X0)**
15.6" FHD LED embedded touch screen computer, Intel® Processor N97, w/ optical bonding
- **Panel mount kit (P/N: 88W30XPPC04X0)**
- **Open frame kit (P/N: 88W30XPPC12X0)**

Ordering Information