XPPC 16-201

15.6" TFT FHD 16:9 Slim Bezel Embedded Touchscreen Computer
Powered by Intel® Core™ Ultra Processor





Main Features

- 15.6" TFT FHD 16:9 panel
- 10-point PCAP multi-touch with slim bezel design
- IP66 protection on the front
- Support VESA/panel/open frame mounting type
- Intel® Core™ Ultra processor (Series 1)
- 2 x DDR5 SO-DIMM, up to 96GB
- 1 x M.2 Key B 3042/3052 for an optional 5G/LTE module
- 1 x M.2 Key E 2230 for an optional Wi-Fi module
- 1 x M.2 Key M 2280 for an optional SSD
- Support DC 12V power input

Product Overview

The 15.6" embedded fanless panel PC XPPC 16-201, embedded with an industrial motherboard, is intended for vertical industrial applications. The XPPC16-201 features an industrial-grade panel with 1920x1080 (FHD) resolution and 450-nit brightness. The front panel adopts a slim bezel design and complies with the IP66 rating. Its flexible mounting options make it the perfect fit for industrial applications.

The XPPC16-201 is powered by Intel® Core™ Ultra processor. With built-in Intel® UHD Graphics, it is available for AI inference, enhancing visual quality and graphics performance. With rich I/O of three USB 2.0 ports, one USB 3.2 port, three GLAN ports, and one COM port, it fulfills the demands of various edge computing applications. The XPPC 16-201 is ideal for diverse applications, such as self-service kiosks, smart retail, and payment machines.

Specifications

Panel

- LCD size: 15.6", 16:9
- Resolution: 1920x1080 (FHD)
- Luminance
  - LCD panel: industrial grade 450cd/m^2
  - XPPC PCAP touch: 90% of panel's luminance after optical bonding
- Contrast ratio: 1000:1
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Touchscreen
  - 10-point PCAP (projected capacitive touch)
  - Optical bonding
  - Glass surface treatment: AF

Processor

- Intel® Core™ Ultra processor (Series 1)

Integrated Graphics

- Intel® UHD Graphics

System Capabilities

- TPM 2.0

Memory

- 2 x DDR5 SO-DIMM, non-ECC, up to 96GB

Storage

- 1 x M.2 Key M 2280 SSD (PCIe 4.0 x4, SATA 3.0)

Expansion Slot

- 1 x M.2 Key B 3042/3052
  - Support a 5G/LTE module (PCIe 4.0 x1, USB 3.2, USB 2.0)
- 1 x M.2 Key E 2230
  - Support a Wi-Fi module (PCIe 4.0 x1, USB 2.0)

I/O Interface Rear

- 1 x DC 12V power input
- 1 x 1GbE RJ45 port, Intel® I219-LM
- 1 x 2.5GbE RJ45 port, Intel® I226-V
- 2 x HDMI® 2.0, up to 3840x2160@60Hz
- 1 x USB 3.2 Gen 1x1, Type-A
- 3 x USB 2.0, Type-A
- 1 x COM port, supports RS-232/422/485
- 1 x Line out
- 1 x Power button

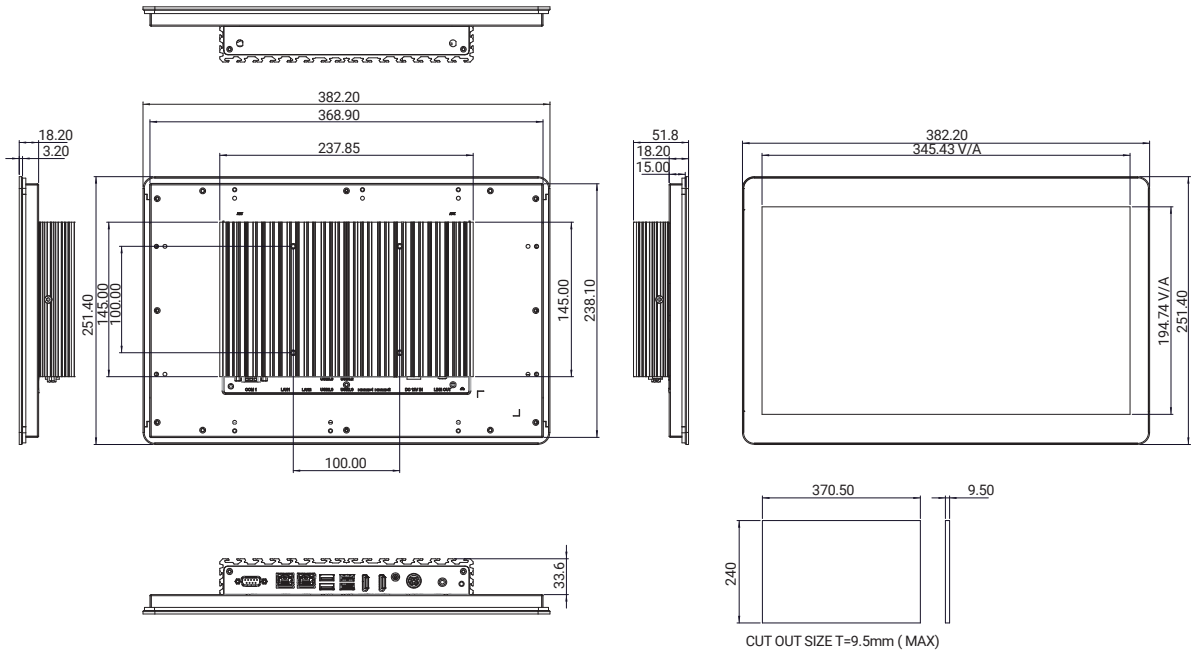
I/O Interface Front

- 2 x Antenna hole

I/O Interface Internal

- 2 x 6-pin header for 4 x USB 2.0 port
- 1 x 10-pin header for 4-in & 4-out GPIO
- 1 x 9-pin header for RS-232 (COM2)
- 1 x 3-pin jumper for LCD panel voltage 3.3V/5V setting
- 1 x DC Power thru one 2-pin pitch=3.96mm ATX connector (lockable)

Dimension Drawing



Mechanical

- Dimensions: 382.2mm (W) x 251.4mm (D) x 51.8mm (H)
- Net weight: 2.84kg
- Mounting type:
  - VESA Mount 100mm x 100mm
  - Panel Mount (optional kit)
  - Open Frame (optional kit)

Package Information

- Dimensions: 481mm (W) x 361mm (D) x 220mm (H)
- Gross weight: 4.5kg (1 unit per carton)

Environment

- Temperature:
  - Ambient with air flow: 0°C~50°C
  - Storage temperature: -20°C~80°C
- Relative humidity: 0%~90% (non-condensing)
- Shock protection: 20g peak acceleration, 11ms according to IEC 60068-2-27
- Vibration protection
  - Random: 2.2Grms@5~500Hz, 0.5hr/axis (non-operating), IEC 60068-2-64
  - Sinusoidal: 2Grms@5~500Hz, 1hr/axis, IEC 60068-2-6

Power Supply

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

Certifications

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

Operating System

- Windows 11
- Windows 10, 64-bit
- Linux

Ordering Information

Barebone

- **XPPC16-201-125U (P/N: 10W30XPPC53X0)**

  15. 6" FHD LED multi-touchscreen computer, Intel® Core™ Ultra 5 processor 125U, w/ optical bonding

- **Panel mount kit (P/N: 88W30XPPC04X0)**
- **Open frame kit (P/N: 88W30XPPC12X0)**

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