

XPPC 10-100

10.1" TFT WXGA 16:10 Slim Bezel, Embedded Touch Screen Computer
Powered by Intel® Celeron® Processor J3455



Main Features

- ♦ 10.1" TFT WXGA 16:10 panel
- ♦ 10-point PCAP multi-touch with slim bezel design
- ♦ IP66 protection on the front
- ♦ Support: VESA/Panel/Open Frame Mounting
- ♦ Intel® Celeron® processor J3455
- ♦ 1 x DDR3L, up to 8GB
- ♦ 1 x M.2 Key M 2242 for storage device
- ♦ DC 12V power input

Product Overview

The 10.1" fanless touchscreen computer XPPC 10-100 incorporating an industrial motherboard is intended for versatile industrial applications. The XPPC 10-100 has a touch screen LED backlight LCD panel with 1280 x 800 (WXGA) resolution and 400 nits brightness. The front panel complies with IP66 standard by panel mount makes it the perfect fit in industrial applications. The XPPC 10-100 is powered by Intel® Celeron® processor and supports up to 8 GB DDR3L memory, with slim design and weight optimization. The XPPC 10-100 supports multiple mounting options for different applications. The XPPC 10-100 can be applied in different situations, for example: restaurants, convenience stores and self-ordering systems.

Specifications

Panel

- ♦ LCD size: AUO G-series 10.1", 16:10
- ♦ Resolution: WXGA 1280x800
- ♦ Luminance
 - LCD panel: 400cd/m2
 - XPPC PCAP touch: 90% of panel's luminance after optical bonding
- ♦ Contrast ratio: 800
- ♦ LCD color: 16.7M
- ♦ Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- ♦ Backlight: LED

Touch Screen

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

System

- ♦ CPU: Intel® Celeron® Processor J3455
- ♦ Graphic: Intel® HD Graphics

Main Memory

- ♦ 1 x DDR3L 1600 SO-DIMM, up to 8GB, non-ECC, unbuffered

Storage Device

- ♦ 1 x M.2 Key M 2242 SSD (SATA 3.0)

Expansion

- ♦ 1 x Full-size Mini PCIe slot, supports Wi-Fi/BT/4G LTE module

I/O Interface - Rear

- ♦ 1 x LED for power on/off
- ♦ 1 x Power switch
- ♦ 1 x DC 12V input
- ♦ 2 x 1GbE RJ45 port
- ♦ 1 x HDMI® 2.0, up to 3840x2160@60Hz
- ♦ 2 x USB 3.2
- ♦ 1 x Line out
- ♦ 1 x COM port, supports RS-232/422/485

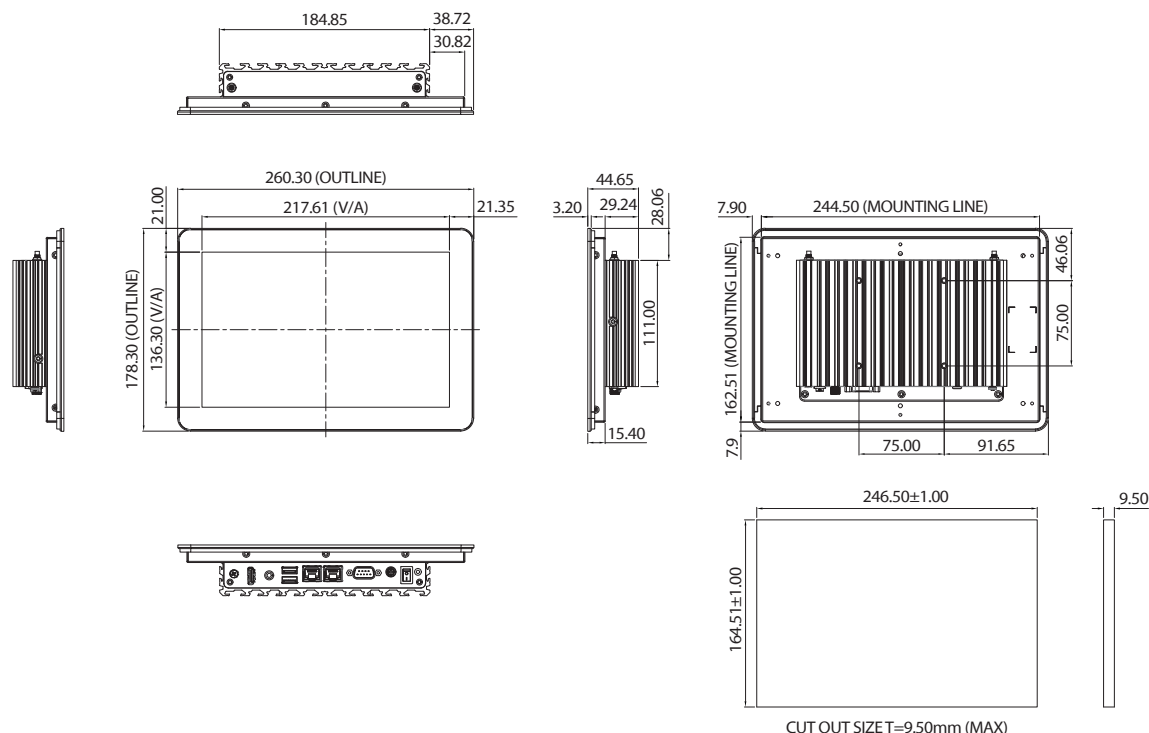
I/O Interface - Front

- ♦ 2 x Antenna hole

I/O Interface - Internal

- ♦ 1 x LVDS connector, resolution up to 1920x1080@60Hz
- ♦ 2 x 4-pin header for USB 2.0
- ♦ 1 x 4-pin header for line out
- ♦ 1 x 9-pin header for COM2 port RS-232
- ♦ 1 x LCD panel INV thru 2 x 3-pin Box header
- ♦ 1 x 3-pin jumper for LCD panel voltage
- ♦ 3.3V/5V setting
- ♦ 1 x DC Power thru 2-pin pitch=3.96mm ATX connector (lockable)

Dimension Drawing



Mechanical

- System Unit
 - Dimensions: 260.3mm (W) x 178.3mm (D) x 44.65mm (H)
 - Net weight: 2kg per unit
- Support
 - VESA mount 75mm x 75mm
 - Panel mount (optional kit)
 - Open frame (optional kit)
- Package carton
 - Dimensions: 335mm (W) x 303mm (D) x 160mm (H)
 - Gross weight: 3kg (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@5Hz~500Hz, 0.5hr/axis (non-operating), IEC 60068-2-64
- Sinusoidal: 2Grms@5Hz~500Hz, 1hr/axis, IEC 60068-2-6

Power Supply

- 1 x 60W AC/DC 12V lockable adapter included in accessory
- DC +12V input

Certifications

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

OS Support Lists

- Windows 10, 64-bit
- Linux

Ordering Information

Barebone

- XPPC 10-100-2 (P/N: 10W30XPPC27X0)**
10.1" TFT panel PC, PCAP, Intel® Celeron® processor J3455 w/ touch IC 81W8046, w/ optical bonding
- Panel mount kit (P/N: 88W30XPPC02X0)**
- Open frame kit (P/N: 88W30XPPC03X0)**