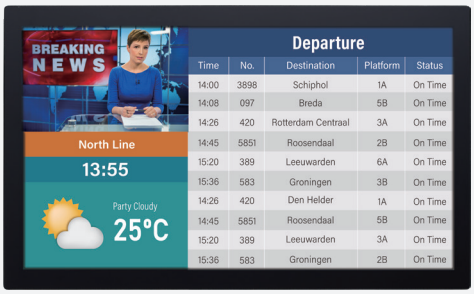
XPPC 22-100A

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

Powered by Intel® Celeron® Processor J3455



Main Features

- 21.5" TFT FHD 16:9 panel
- 10 Points P-Cap multi-touch with slim bezel design
- IP65 protection on the front
- Support: VESA/panel/openframe mount
- Onboard Intel® Celeron® processor J3455
- 1 x DDR3L up to 8GB, M.2 2242 Key M for storage device
- Support power input 19 VDC

Product Overview

The 21.5" fanless touchscreen computer XPPC 22-100A incorporating an industrial motherboard is intended for versatile industrial applications. XPPC 22-100A has a touch screen LED backlight LCD panel with 1920 x 1080 (FHD) resolution and 400 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. Powered by Intel® Celeron® processor and support DDR3L up to 8GB. XPPC 22-100A has slim design and weight optimization and support multi-mounting choice based on different application. XPPC 22-100A can be applied in different situations, for example: hotel self-check in system, department store, welcome board and advertisement.

Specifications

Panel

- LCD size: Innolux 21.5", 16:9
- Resolution: FHD 1920 x 1080
- Luminance
  - LCD panel: 400cd/m2
  - XPPC PCAP touch: 85% of panel's luminance after air bonding
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 89(R), 89(L), 89(U), 89(D)

Touch Screen

- Air bonding
- 10 points P-Cap (projected capacitive touch)
- Glass surface treatment: AS + AG

System

- CPU: onboard 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) onboard, 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

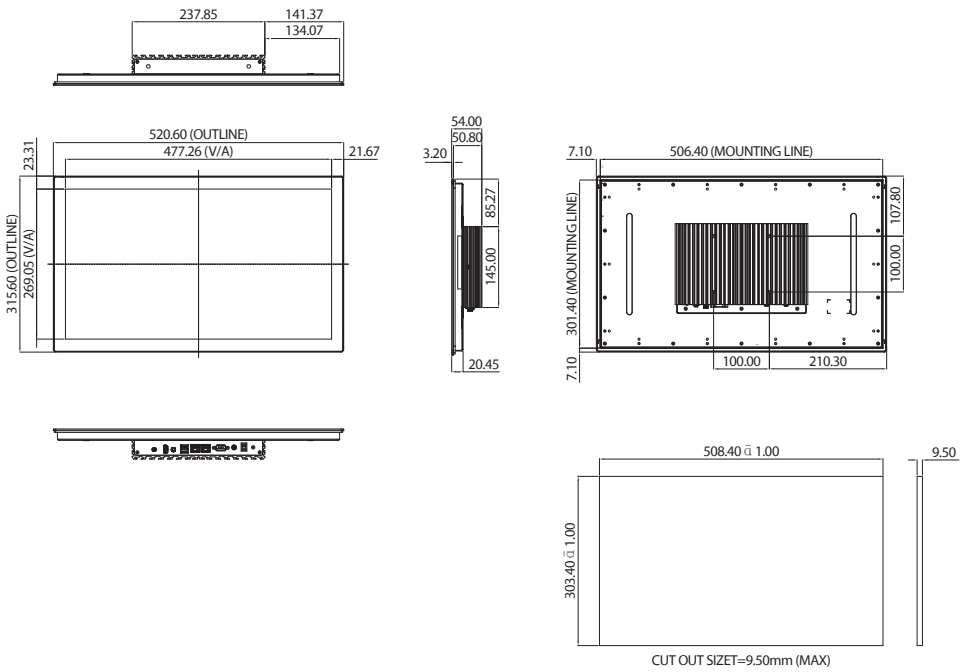
Front I/O

- 2 x Antenna hole

Mechanical & Environment

- 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
  - 50g peak acceleration (11 msec. duration)
- Temperature
  - Operating temperature with 0.7 m/s air flow: 0°C~45°C (optional to 50°C)
  - Storage temperature: -20°C~60°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90%

Dimensions

- System: 520.6mm x 315.6mm x 54mm
- System weight: 5kg
- Package: 650mm x 480mm x 170mm
- Package weight: 7.5kg

Power Supply

- 1 x 90W AC/DC lockable adapter included in accessory
- Input: 100VAC to 240VAC
- Output: DC+19VD

Certifications

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

OS Support Lists

- Win10 64-bit
- Linux

Ordering Information

Barebone

- **XPPC 22-100A (P/N: 10W30XPPC28X0)**
  21.5" FHD multi touchscreen computer, Intel® Celeron® J3455 w/air bonding
- **Panel mount kit (P/N: 88W30XPPC07X0)**
- **Open frame kit (P/N: 88W30XPPC08X0)**
- **Thermal kit (P/N: 88W30XPPC09X0)**

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