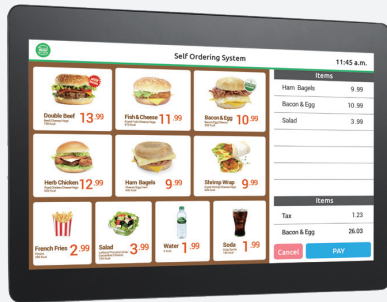


XPPC 16-100

15.6" TFT WXGA 16:9 Slim Bezel, Multi-touch Computer
Powered by Intel® Apollo Lake J3455 Processor



Main Features

- 15.6" TFT WXGA 16:9 panel
- 10 points P-Cap multi-touch with slim bezel design
- IP65 protection on the front
- Support: VESA/panel/openframe mount
- Intel® Celeron® processor J3455, Quad Core, 1.50 GHz
- 1 x DDR3L up to 8GB, M.2 M-Key 2242 for storage device
- Support power input: 19 VDC

Product Overview

The 15.6" touch computer XPPC 16-100 incorporating an industrial motherboard is intended for versatile industrial applications. XPPC 16-100 has a touch screen LED backlight LCD panel with 1366 x 768 (WXGA) resolution and 500-nit brightness. The front panel which adopts flush design and complies with IP65 standard by panel mount makes it the perfect fit in industrial applications. XPPC 16-100 powered by Intel® Celeron® processor and support DDR3L up to 8GB. XPPC 16-100 has slim design and weight optimization. XPPC 16-100 support multi-mounting choice based on different application. XPPC 16-100 can be applied in different situations. For example: hotel self-check in system, department Store, welcome board and advertisement.

Specifications

Panel

- LCD size: Innolux G-series 15.6", 16:9
- Resolution: WXGA 1366 x 768
- Luminance
 - LCD panel: 500cd/m2
 - XPPC PCAP touch: 450cd/m2
- Contrast ratio: 600
- LCD color: 16.7M
- Viewing angle: 160 (H), 150 (V)

Touch Screen

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

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 M key 2242 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

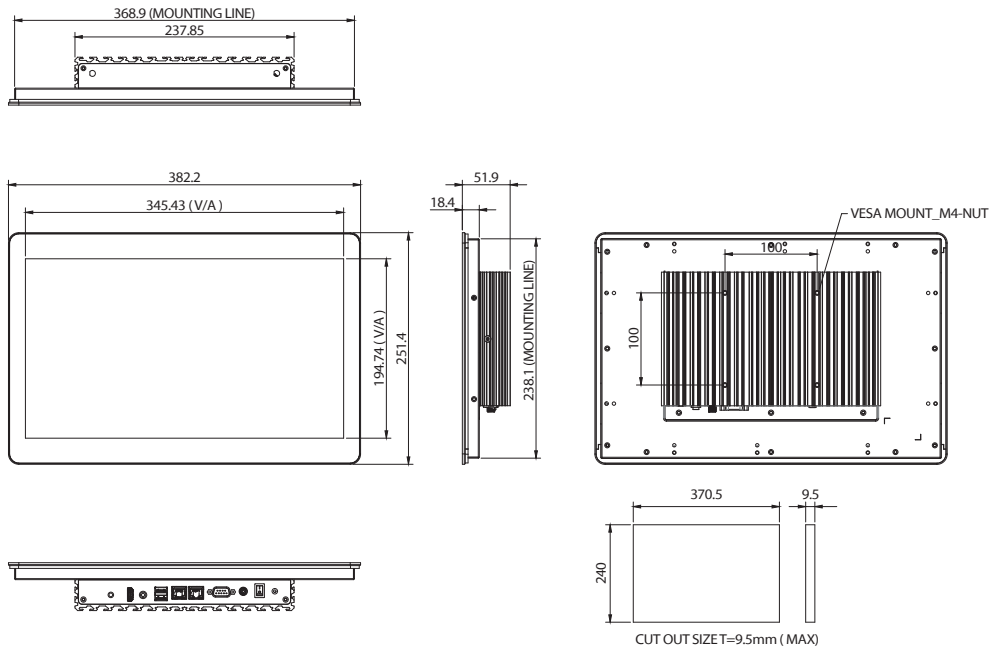
Mechanical & Environment

- Color/material: black silver/metal sheet
- Support
 - VESA mount 100mm x 100mm
 - Panel mount
 - Open frame

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Dimension Drawing



Environment

- Vibration
 - IEC 68 2-64
 - 2Grms @ sine, 5~500Hz, 1hr/axis
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
 - IEC 68 2-27
 - 50g peak acceleration (11 msec. duration)
- Temperature
 - Operating temperature: 0°C~50°C
 - Storage temperature: -20°C~60°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90%

Dimensions

- System: 382.6mm x 251.8mm x 51.66mm
- System weight: 3.0kg
- Package: 476mm x 355mm x 206mm
- Package weight: 4.7kg

Power Supply

- 1 x External 90W AC/DC power adapter with lock (power adapter is 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 4.1

Ordering Information

Barebone

- **XPPC 16-100 (P/N: 10W30XPPC07X0)**
15.6" WXGA multi-touch computer, Intel® Celeron® J3455
- **Panel Mount Kit (P/N: 88W30XPPC04X0)**
- **Open Frame Kit (P/N: 88W30XPPC05X0)**

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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