

IPPC 1050P

10.1" TFT WXGA 16:9 Heavy Industrial Panel PC
with Intel® Celeron® J3455 Processor 1.50GHz,
Multi-Touch Screen, 4GB DDR3L, 4 x USB, 3 x COM



Main Features

- Intel® Celeron® J3455 processors , 1.50GHz
- Metal housing with robust aluminum front zero bezel for harsh environment
- 10 points P-Cap multi-touch with zero bezel flush front design
- Dual GbE/Dual DisplayPort/Dual USB 3.0 & USB 2.0
- 1 x mini-PCIe sockets, 1 x M.2, 1 x RS232/422/485
- DDR3L 4GB/2.5" HDD bracket
- IP66 compliant front panel
- Mounting support: panel/wall/stand/VESA 100mm x 100mm
- DC power input 24VDC

Product Overview

The 10.1" fanless panel PC IPPC 1050P incorporating an industrial motherboard is intended for versatile industrial applications. The panel PC has a touch screen LED backlight LCD panel with 1280 x 800 (WXGA) resolution. The front panel which adopts flush design and complies with IP66 standard makes it the perfect fit in industrial applications.

The IPPC 1050P supports WLAN expansion and others via dual Gigabit Ethernet connectors, one mini-PCIe slot and one M.2 slot. With support for DC power input of 24VDC, IPPC 1050P can gain a strong foothold in industrial field and machine devices. In addition, IPPC 1050P can hook 2nd display via a DisplayPort for dual independent display. IPPC 1050P has one adjustable RS232/422/485 ports.

Specifications

Panel

- LCD size: 10.1", 16:9
- Resolution: WXGA 1280 x 800
- Luminance: 300cd/m2
- Contrast ratio: 1300
- LCD color: 262K
- Viewing angle: 85 (U), 85 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 90%
- Anti-scratch surface: 7H hardness
- Touch interface: USB

System

- CPU: onboard Intel® Celeron® J3455 Quad Core processor, 1.50GHz
- BIOS: AMI BIOS
- System memory: 1 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1866, non-ECC and un-buffered

- Storage device:
 - 1 x Internal M.2 2242
 - 1 x Hard drive bay: optional 1 x 2.5" SATA HDD
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- Expansion: 1 x mini-PCIe sockets (support optional Wi-Fi module)
- Front LED indicator to show operating status

Rear I/O

- Ethernet: 2 x RJ45
- Display: 2 x DP1.2
- USB: 2 x USB 2.0, 2 x USB 3.0
- LED indicator: Power/HDD/GPIO programmable LED
- Power button
- COM #3: RS232/422/485
- COM #1&2: RS232

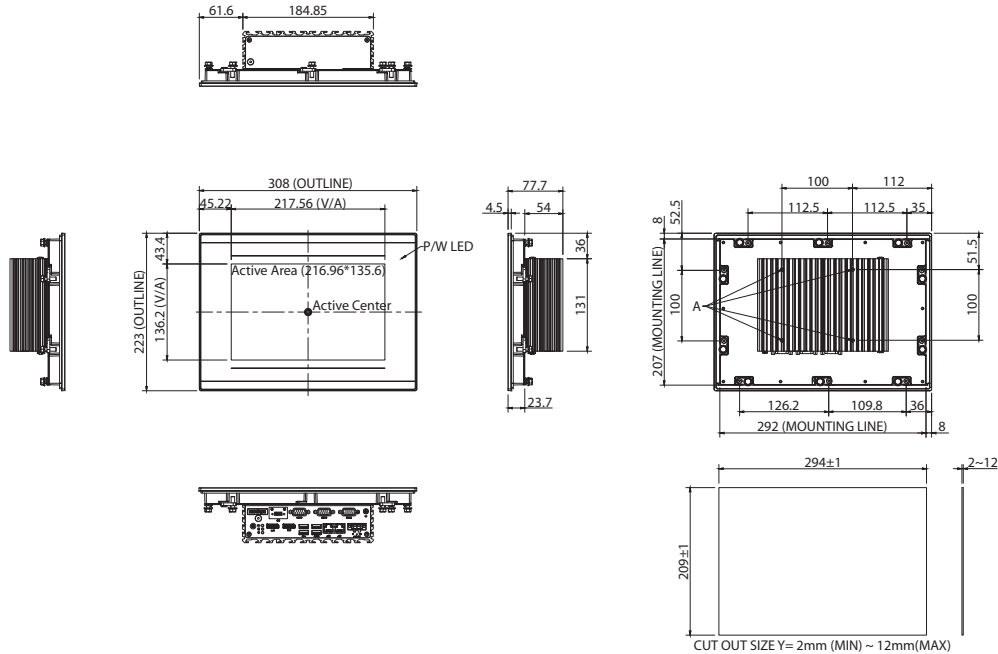
Ethernet

- LAN chip: dual Intel® I210-IT Gigabit LAN
- Ethernet interface: 10/100/1000 based-Tx Ethernet compatible

www.nexcom.com



Dimension Drawing



Mechanical & Environment

- Color: Pantone black silver front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power:
 - Power input: 24 VDC
 - Power adapter: optional AC to DC power adapter (+24V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Temperature:
 - Operating temperature: 0°C to 50°C
 - Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 308 x 223 x 77.7mm
- Weight: 3.6 kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC class A

OS Support Lists

- Windows 10 64-bit

Ordering Information

Barebone

- **IPPC1050P (P/N: 10II1050P00X0)**
10.1" WXGA LED backlight touch panel PC, Intel® Celeron® J3455, Quad Core Processor, 1.50GHz, touch screen, 4GB DDR3L, 1 x RS232/422/485

Options

- **24V, 60W AC/DC power adapter w/o power cord (P/N: 7400060047X00)**

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.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave

Ste 1200

Sheridan

WY 82801

USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park

Stone Business Park

Stone

ST15 0YJ

United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660