IPPC 2111-C11

21.5” TFT FHD 16:9 Heavy Industrial Panel PC
10th Gen Intel® Core™ i Processor P-Cap Screen, DDR4, PCIe Slot Supported





Main Features

- Support 35W 10th Gen Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® processor (Comet Lake-S)
- Stylish slim bezel, metal housing with robust aluminum front zero bezel for harsh environment
- 10 points P-Cap touch with zero bezel flush front design
- 2 x DDR4 2933MHz memory, up to 32GB (non-ECC)
- Dual Intel® GbE LAN ports/DP++/dual USB 3.0
- 1 x RS-232,1 x RS-232/422/485 with isolation (optional)
- Internal support :
  - 1 x Mini PCIe (PCIe x1, USB 2.0, SATA)
  - 1 x M.2 3042/3052 Key B (PCIe x1, USB 3.0, USB 2.0)
  - 1 x M.2 2242 Key B (USB 2.0, SATA)
- 24VDC input; supports AT/ATX power mode
- 1 x PCIe x4 expansion

Product Overview

The new 21.5” fanless panel PC IPPC 2111-C11 is equipped with a high-performance 10th Gen Intel® Core™ i9/i7/i5/i3 socket-type CPU platform, intended for versatile industrial applications. IPPC 2111-C11 has a narrow border touch screen and a LED backlight LCD panel with 1920x1080 (FHD) resolution. The front panel which adopts a flush, narrow border design and complies with the IP66 standard to make it perfectly fit in industrial applications.

IPPC 2111-C11 contains dual Gigabit Ethernet connectors, one mini-PCIe slot, and an M.2 slot to support multiple networks of LAN/WLAN/WWAN (5G). In addition, it can hook a 2nd display via DP++ for dual independent display, one adjustable RS-232/422/485 port with isolation, and provides a PCIe x4 for add-on card expansion.

Specifications

Panel

- LCD size: 21.5”, 16:9
- LCD interface: LVDS
- Resolution: FHD 1920 x 1080
- Luminance: 250cd/m²
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Light transmission: 90±3%
- Interface: USB
- Anti-scratch surface: 7H hardness

System

- CPU support list: 10th Gen Intel® Core™ i processor family, LGA 1200 socket type, max 35W
  - 10th Gen Intel® Core™ i9-10900TE (20M Cache 1.8GHz)
  - 10th Gen Intel® Core™ i7-10700TE (16M Cache 2.0GHz)
  - 10th Gen Intel® Core™ i5-10500TE (12M Cache 2.3GHz)
  - 10th Gen Intel® Core™ i3-10100TE(6M Cache 2.3GHz)
  - 10th Gen Intel® Pentium® G6400TE (4M Cache 3.2GHz)
  - 10th Gen Intel® Celeron® G5900TE (2M Cache 3.0GHz)
- BIOS: AMI BIOS
- Intel® PPT (fTPM) support; TPM IC (optional)
- System chipset: Intel® H420E PCH
- System memory: 2 x DDR4 2933 SO-DIMM, non-ECC, supports up to 32GB
- Storage device
  - 1 x M.2 2242 Key B
  - 1 x Mini PCIe
  - 1 x Hard drive tray

Rear I/O

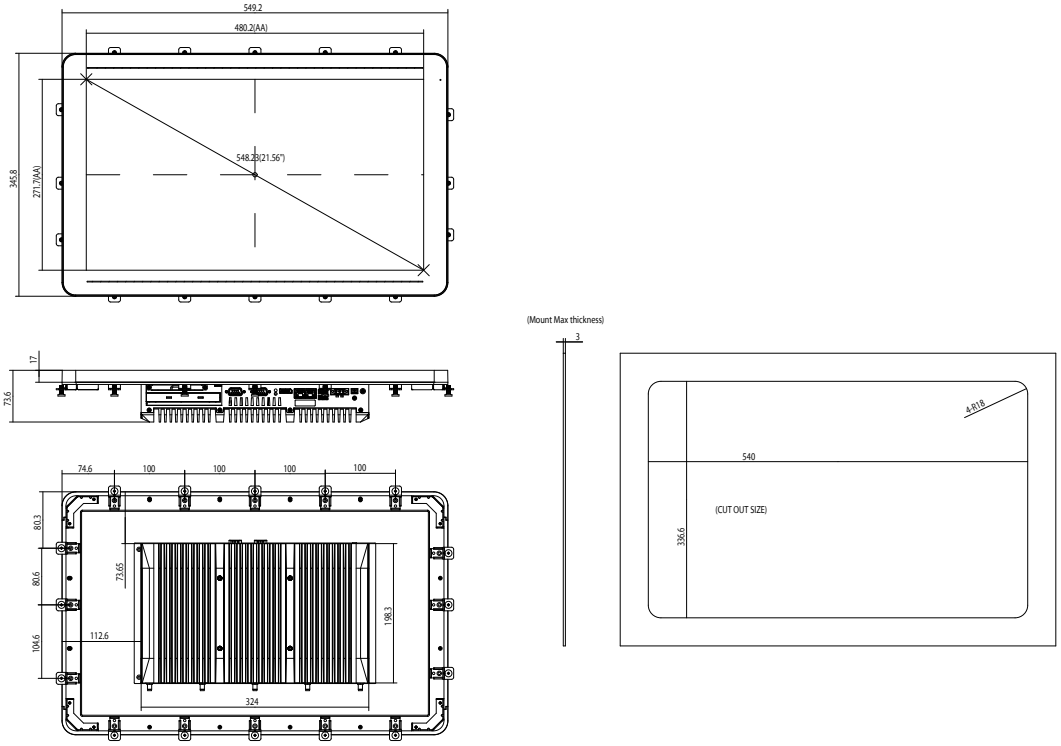
- 2 x DB9 for COM1&COM2
  - COM1: RS-232
  - COM2: RS-232/422/485 auto flow control (isolation)
- 2 x USB 3.1 port (900mA per each)
- 1 x DP++
- 2 x Intel® I210-IT GbE LAN port; supports WoL, teaming and PXE
- 1 x 2-pin remote power on/off switch
- 24V DC input

Expansion Slot

- One PCIe x4 expansion slot: FHFL, 40W max
- 1 x Mini PCIe for Wi-Fi/mSATA
- 1 x M.2 3042/3052 Key B for 5G/Wi-Fi
- 1 x nano SIM card onboard

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Dimension Drawing



Power Requirements
- AT/ATX power mode (default: ATX power mode)
- Power input: +24V DC
- Power adapter: optional AC to DC power adapter (24V DC, 120W)

Dimensions
- 549.2mm x 345.8mm x 73.6mm

Construction
- Support Panel/ Wall / VESA (100x100mm) mount
- IP66 Rating front panel

Environment
- Operating temperature:
  - Ambient with air flow: 0°C to 50°C
  - Storage temperature: -20°C~75°C
- Relative humidity: 10%~90% (non-condensing)
- Shock protection:
  - HDD: 20G, half sine, 11ms, IEC 60068-2-27
  - M.2: 50G, half sine, 11ms, IEC 60068-2-27
- Vibration protection with SSD&M.2 condition:
  - 2.0Grms@random condition, 5~500Hz, 1hr/axis (M.2/ SSD operating)

Certifications
- CE approval- EN 61000-6-2- EN 61000-6-4
- FCC Class A

OS Support
- Windows 11
- Windows 10 64bit

Weight Information
- 10.5 kg

Ordering Information

Barebone
- **IPPC 2111-C11 (P/N: 10II0211100X0)**
  21.5" TFT FHD 16:9 heavy industrial panel PC 10th Gen Intel® Core™ i processor support, P-Cap screen, DDR4, PCIe slot supported

Others
- **24V, 60W AC/DC power adapter w/o power cord (P/N: 7400060054X00)**
- **24V, 120W AC/DC power adapter w/o power cord (P/N: 7400120029X00)**

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