

Panel PC Series

Fanless Industrial Computers

Industrial Components



Professional-grade industrial touchscreen panel PC series. Available in sizes ranging from 10.1" to 21.5". 12th generation **i5 1235u** processor. Includes **TPM** (Trusted Platform Module) security. IP65 dust- and water-resistant front with capacitive touchscreen.

Front bezel made of aluminium alloy, durable and specially designed to dissipate heat. **Supports voltage from 9V to 36V.**



Trasera

TECHNICAL SPECIFICATIONS

10.1" panel

- Resolution: 1280x800 (16:10)
- Contrast: 1000:1 / Brightness: 430cd/m2
- Size: 271.4*190*73.5mm/2.8kg

12.1" panel

- Resolution: 1024x768 (4:3)
- Contrast: 1000:1 / Brightness: 450cd/m2
- Size: 309.5*248*77 mm/3.7kg

15" panel

- Resolution: 1024x768 (4:3)
- Contrast: 1000:1 / Brightness: 350cd/m2
- Size: 366*290*77 mm/4.6kg

15.6" panel

- Resolution: 1920x1080 (16:9)
- Contrast: 1000:1 / Brightness: 400cd/m2
- Size: 400*249.3*79.8 mm/4.8kg

17" panel

- Resolution: 1280x1024 (5:4)
- Contrast: 1000:1 / Brightness: 250cd/m2
- Size: 408.5*346*78 mm/5.5kg

21.5" panel

- Resolution: 1920x1080 (16:9)
- Contrast: 1000:1 / Brightness: 400cd/m2
- Size: 540*332*78 mm/7.6kg

OTHER TECHNICAL DATA

- 1 DC-IN (Supports **9Vdc-36Vdc**)
- DDR4 memory slot, maximum **RAM up to 32GB**
- Operating Temp.: **-20 ~ 60 °C**
- Hard drive connector: **m2 NVMe** + 1 SATA 2.0 port
- **4 USB 3.0 ports and 2 USB 2.0 ports.**
- Possibility of **4G + Wi-Fi** connectivity at the same time. (4 antenna connections available)
- Video output to 2nd standard HDMI screen.
- Industrial LCD screen with multi-language OSD panel.
- **Aluminium alloy** front bezel housing, durable and perfect heat dissipation.
- **IP65 front** and IP50 rear protection.
- **Multi-touch capacitive touchscreen.**
- 14-way 3.5 mm **audio** jack, 1 dual-channel speaker support.
- **2 speakers included.**
- **COM ports:** 6 RS-232 serial ports, 2 of which can be configured to RS-485.
- Supports **8 GPIO channels** (internal access on motherboard).
- **Intel i210 Gigabit Ethernet** ports, compatible with network wake-up/PXE.
- Hardware reset function support (**watchdog** 256 levels, 0 to 255 seconds)
- Compatible with **Windows 7/10/11** and Linux operating systems.

PRODUCT VALUES

- > High-performance 12th generation processor.
- > Panel PC compatible with Windows 11.
- > Resistant to harsh environments: dust, vibrations, high voltages.
- > Resistant to high temperatures and humidity.
- > Expandable configuration: resolution/luminance/touch technology.

MOST COMMON APPLICATIONS

- > Industrial field control.
- > Display devices.
- > Telecommunications and network rooms.
- > Monitors for trains, underground stations and ports.
- > Standard military screens.
- > Military vehicles.
- > Warships.
- > Use in lifts, public places and buildings.

APPLICATION SECTORS

- > Agricultural engineering.
- > Meat industry.
- > Automation.
- > Aerospace.
- > Automotive.
- > Data centres.
- > Distribution.
- > Naval sector.
- > Pharmaceutical industry.
- > Transport and logistics.
- > Transmission applications.

SOME SUCCESS STORIES

- > Installation in outdoor kiosks
- > Installation at the factory.
- > Solutions for military equipment.

ALTERNATIVE REFERENCES

- > ePX-TH-CI-I7-10510U
- > ePX TPM I7 10810U

INSTALLATION METHODS

VESA. 100x100mm
75x75mm

PANEL
MOUNT



DIMENSIONS (consult other measurements)

DRAWING PANEL 15"

DRAWING PANEL 15,6"

DRAWING PANEL 17"

DRAWING PANEL 21,5"

