PPC-12FN2 (Advantix - powered by Fastwel)
Intel® Pentium® N4200 Fanless Low-Power 12" Panel PC

Features

- CPU: Intel® Pentium® N4200/Intel® Celeron® N3350 (option);
- RAM: 4GB (soldered), 8GB in total, non ECC;
- Protection: IP66;
- Audio: 2-channel, Realtek® HD Audio;
- Screen: 12", resolution 800 x 600, luminance: 450 cd/m² (1000 – option), contrast ratio: 1500:1 (700:1 for 1000 cd/m²);
- Network: 2 x Ethernet 10/100/1000 Intel® controllers, each on the PCI-E x1 bus;
- Op. temperature: +5°C~+50°C (w/SSD), +5°C~+40°C (w/HDD);
- Power supply: 9-36V DC;
- OS compatibility: Microsoft Windows 10, Linux;

Overview

PPC-12FN2 (Advantix – powered by Fastwel) Intel® Pentium® N4200 Fanless Panel PC is equipped with 12" screen with resolution of 800x600 and is characterized by a stylish thin industrial design and low power consumption.

Technical Specifications

CPU

- Intel® Pentium® N4200 (4 x cores, 1.1GHz/2.5GHz turbo) – by default;
- Intel® Celeron® N3350 (2 x cores, 1.1GHz/2.4GHz turbo) – as option;

RAM

- 4GB (soldered), up to 8GB in total, via the DDR3L-1666/1866 module, non ECC;

Screen

- 12", resolution 800 x 600, with resistive touchscreen (capacitive as option); luminance: 450 cd/m² (1000 – option), contrast ratio;

Expansion slots

- 1 x Mini-PCIe internal slot (Full-sized);
- 1 x SIM Card holder (no modem) / Micro SD card reader;

Disk subsystem

- 1 x bay for 2.5" HDD/SSD SATA, easy access from the rear panel;

Network

- 2 x Ethernet 10/100/1000 Intel® controllers, each on the PCI-E x1 bus;

Audio

- 2-channel, Realtek® HD Audio;

Ports

Standard:

- 2 x USB 3.0 type A;
- 2 x LAN (RJ-45);
- 2 x COM (COM1: RS-232/422, RS485 DB9 / COM2: RS232 DB9);
- 1 x Audio Line Out;

There are other additional expansion options (see below);

Watchdog

- programmable;

Power supply

- 9-36V DC, 1 x 2-pin connector for remote activation/deactivation;

Cooling

- Convection, passive;

Operating temperature range

- from +5°C to +50°C (with SSD), from +5°C to +40°C (with HDD);

Storage temperature

- from -20°C to +60°C;

Dimensions

- 51,7 (D) * 319 (W) * 295 (H);

Weight

- 4.5 kg;

Version design

- Aluminum housing, connector for VESA mount 100x100;

Protection

- IP66 for the front panel, IP20 for the rear panel;

OS compatibility

- Microsoft Windows 10;
- Linux;

Delivery checklist

- Phoenix female connector, panel mounting kit, kit for mounting to the 19" rack (option), power supply unit;
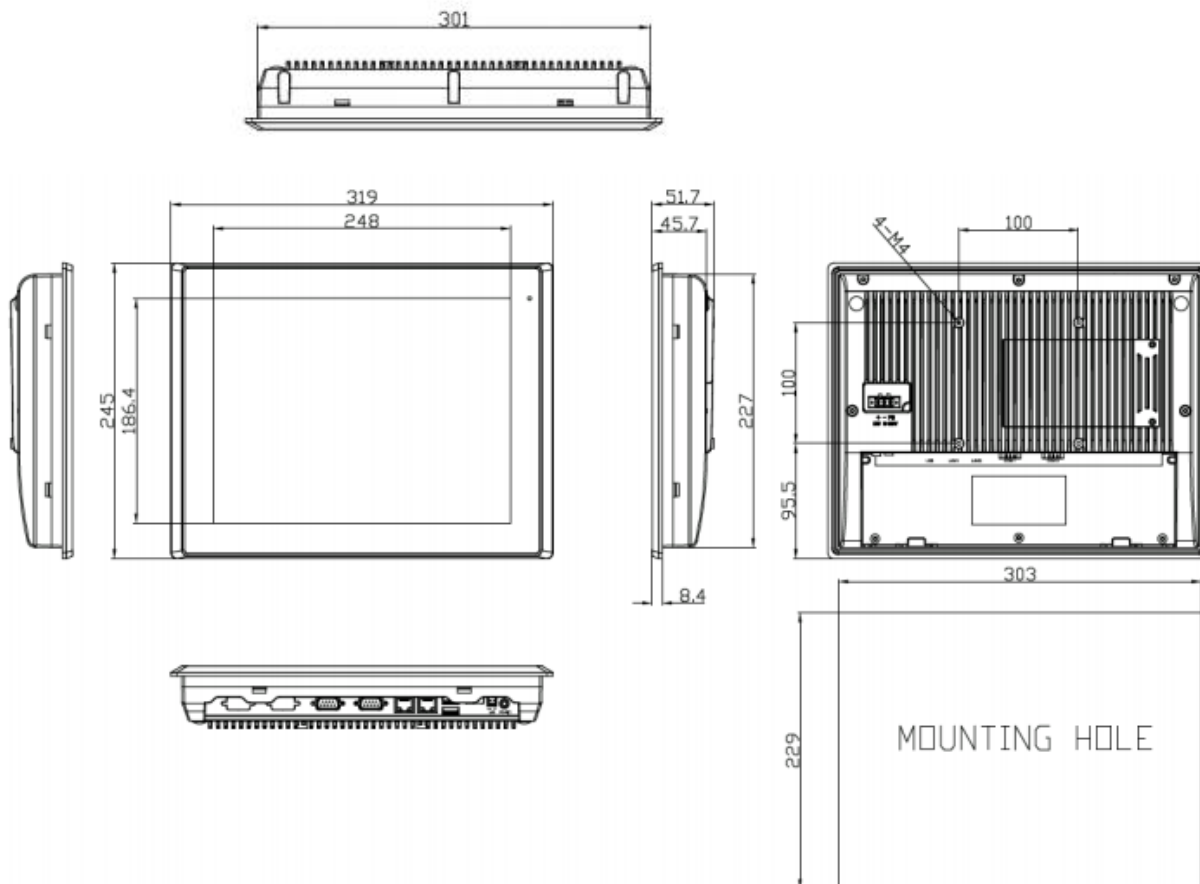
Warranty

- 2 years;

Fastwel

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Intel® Pentium® N4200 Fanless Low-Power 12" Panel PC

Layout

PPC-12FN2 (Advantix - powered by Fastwel)

Rear view

MOUNTING HOLE

Ordering information

PPC-12FN2 (Advantix - powered by Fastwel) Configuration

PPC-12FN2 \Options

Configurations

PPC-12FN2	Fanless Panel PC 12" LCD/Resistive Touch/Pentium N4200 (1.1 GHz) / 4GB / 120GB SSD / 2xLAN / 2xCOM / 2xUSB / power supply unit, +5...+40;
PPC-12FN2-xxx / PPC-XXXXXXXX	Fanless Panel PC in custom configuration.

Expansion options

Option 1 - 2 x RS-232 DB9;

Option 2 - 2 x RS-232/422/RS485 DB9;

Option 3 - 2 x CAN bus DB9;

Option 4 - 2 x USB 2.0 type A, 1 x RS-232 DB9;

Option 5 – Battery 21W / 10.8W / 1.95Ah (not combined with the options above);

Option 6 – Front panel for mounting to the 19" rack;

Delivery checklist

PPC-12FN2 (Advantix - powered by Fastwel) delivery checklist contains:

1. PPC-12FN2 (Advantix – powered by Fastwel) Fanless 12" Panel PC
2. Phoenix female connector, panel mounting kit, kit for mounting to the 19" rack (option), power supply unit
3. Packaging.

Corporate offices

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