

CoreIPC

PanelPro 15

Industrial Panel PC Datasheet

15.6-inch Capacitive Touchscreen | Fanless | Multi-Platform

Document	Datasheet
Model	PanelPro 15
Issue	1.0
Product Type	Industrial Panel PC
Website	www.CoreIPC.com

This datasheet is prepared based on PanelPro 15 User Manual Issue 1.0.

1. Product Overview

The CorelPC PanelPro 15 is a fanless industrial Panel PC with a 15.6-inch capacitive touchscreen. It combines Full HD display, touch control, embedded computing and configurable industrial I/O in an aluminum-alloy enclosure for embedded and industrial applications.

2. Key Features

- 15.6-inch capacitive touchscreen with 1920 x 1080 Full HD resolution.
- 300 cd/m² brightness, 16:9 aspect ratio and full viewing angle.
- Intel® Celeron® J1800 / J1900 / J4125 and selected Intel® Core™ processor options up to i5-10210U.
- 1 x Gigabit LAN expandable to 2 x Gigabit LAN; Wake-on-LAN and PXE supported.
- 4 x USB expandable to 6 x USB.
- 2 x RS232 expandable to 6 x RS232; up to 2 COM ports configurable as RS485.
- HDMI + VGA display output.
- Optional Wi-Fi / Bluetooth, 4G and GPS modules.
- DC 12 V input; optional DC 9-36 V wide-voltage module.
- Fanless passive cooling; embedded clip mount, wall mount and desktop mount.

3. Technical Specifications

Category	Specification
Screen Size	15.6 inch
Touch Type	Capacitive touchscreen
Resolution	1920 x 1080
Aspect Ratio	16:9
Brightness	300 cd/m ²
Viewing Angle	Full viewing angle
Processor Options	Intel® Celeron® J1800 / J1900 / J4125; Intel® Core™ i3-3217U / i5-3317U / i5-4300U / i7-4600U / i5-7200U / i5-10210U
Memory	4 GB / 8 GB / 16 GB
Storage	64 GB / 128 GB / 256 GB / 512 GB SSD
Display Output	HDMI + VGA
LAN	1 x Gigabit LAN; expandable to 2 x Gigabit LAN; Wake-on-LAN / PXE support
USB	4 x USB; expandable to 6 x USB
Serial Ports	2 x RS232; expandable to 6 x RS232
RS485	Up to 2 COM ports configurable as RS485
Wireless / Cellular	Optional Wi-Fi / Bluetooth / 4G / GPS
Power Input	DC 12 V, 5.5 mm outer diameter / 2.5 mm inner diameter
Wide Voltage	Optional DC 9-36 V wide-voltage module
Cooling	Fanless design, passive cooling
Operating System	Windows 7 / Windows 10 / Linux
Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 70°C
Humidity	5%-95% RH, non-condensing
Overall Dimensions	385.6 x 242.6 x 55.8 mm
Cutout Dimensions	381.1 x 238.1 mm, R9.6

4. I/O Interface Summary

4.1 Front I/O

Interface	Standard Configuration
LAN	1 x Gigabit LAN
USB	4 x USB
Serial	2 x RS232
Display	HDMI + VGA
Power	DC 12 V

4.2 Rear I/O

Option	Available Expansion
LAN	Expandable to 2 x Gigabit LAN
USB	Expandable to 6 x USB
Serial	Expandable to 6 x RS232
RS485	Up to 2 COM ports configurable as RS485
Wireless / Cellular	Wi-Fi / Bluetooth / 4G / GPS
Power	Optional DC 9-36 V wide-voltage module

5. Processor and Platform Options

PanelPro 15 supports multiple processor platforms and configurable I/O expansion. Processor options include Intel® Celeron® J1800 / J1900 / J4125 and Intel® Core™ i3-3217U / i5-3317U / i5-4300U / i7-4600U / i5-7200U / i5-10210U.

Processor Family	Source-listed Options
Intel® Celeron®	J1800 / J1900 / J4125
Intel® Core™ 3rd Gen	i3-3217U / i5-3317U
Intel® Core™ 4th Gen	i5-4300U / i7-4600U
Intel® Core™ 7th Gen	i5-7200U
Intel® Core™ 10th Gen	i5-10210U

6. Display, Touch and I/O Expansion

Function	Description
Display	15.6-inch, 1920 x 1080, 16:9, 300 cd/m², full viewing angle
Touch	Capacitive touchscreen
LAN Expansion	1 x Gigabit LAN standard; up to 2 x Gigabit LAN
USB Expansion	4 x USB standard; up to 6 x USB
Serial Expansion	2 x RS232 standard; up to 6 x RS232; up to 2 COM configurable as RS485

7. Power, Cooling and Reliability Functions

Item	Description
Power Input	DC 12 V, 5.5 mm outer / 2.5 mm inner diameter
Wide Voltage	Optional DC 9-36 V wide-voltage module
Cooling	Fanless passive cooling
Mounting	Embedded clip mount / Wall mount / Desktop mount
Optional Power Switch	Extended 0.5 m power switch
Wake Features	Wake-on-LAN supported

8. Mechanical and Environmental Information

Item	Description
Overall Dimensions	385.6 x 242.6 x 55.8 mm
Cutout Dimensions	381.1 x 238.1 mm, R9.6
Enclosure	Aluminum alloy middle frame and rear cover
Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 70°C
Humidity	5%-95% RH, non-condensing

9. Ordering Information

Item	Available Options
Processor	J1800 / J1900 / J4125 / i3-3217U / i5-3317U / i5-4300U / i7-4600U / i5-7200U / i5-10210U
Memory	4 GB / 8 GB / 16 GB
Storage	64 GB / 128 GB / 256 GB / 512 GB SSD
Network	1 x Gigabit LAN standard; optional 2nd Gigabit LAN
I/O Expansion	Up to 6 x USB and 6 x RS232; up to 2 COM configurable as RS485
Wireless	Optional Wi-Fi / Bluetooth / 4G / GPS
Power	DC 12 V; optional DC 9-36 V wide-voltage module

10. Compliance and Documentation Notes

- Certification and compliance information is not specified in the source manual. Contact CoreIPC for project-specific certification or compliance documentation.
- Standard I/O is listed as 1 x Gigabit LAN, 4 x USB and 2 x RS232. The system can be configured with up to 2 x Gigabit LAN, 6 x USB and 6 x RS232, with up to 2 COM ports configurable as RS485.
- Optional features include Wi-Fi / Bluetooth, 4G, GPS, an additional Gigabit LAN, additional USB and RS232 ports, an optional DC 9-36 V wide-voltage module, and an optional extended 0.5 m power switch.

11. Contact Information

Company	CoreIPC
Sales Team	CoreIPC Sales Team
Email	sales@coreipc.com
Website	https://www.coreipc.com/

Disclaimer: This datasheet was compiled from PanelPro 15 User Manual Issue 1.0. Processor, I/O expansion, wireless modules and power options vary by selected configuration. Please confirm the final configuration before order placement.