



PanelPro15 User Manual

Issue 1.0

www.CoreIPC.com

Security Guidance

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Disclaimer

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- Any changes to the product specifications or related information may be made without prior notice.
- No part of this user manual may be reproduced, modified, reprinted, distributed, or published in any form without prior written permission from CoreIPC.
- To ensure proper and safe use of the CoreIPC PanelPro 15, please read this user manual carefully before installation and operation.
- Please read all safety instructions and product specifications carefully before using the product.
- When contacting CoreIPC for technical support, please provide the product model, processor platform, I/O configuration, and other relevant product information for identification.

Basic Safety Tips

1. Before using this product, please read this manual carefully and keep it for future reference.
2. Make sure the power outlet is easily accessible when using the device.
3. Before connecting the device to a power outlet, verify that the power supply voltage meets the product requirements.
4. Route the power cord properly to avoid tripping hazards, and do not place any heavy objects on the power cord.
5. Before cleaning the device, disconnect the power cord from the power outlet. Do not use liquid cleaners or spray cleaners directly on the device. Use a dry or slightly damp cloth instead.
6. Before installation, make sure the device is placed on a stable and reliable surface to prevent accidental drops or damage.
7. If the device will not be used for an extended period, disconnect it from the power outlet to avoid possible damage caused by excessive voltage fluctuations.
8. Do not store the device outside the specified storage temperature range of -20°C to 70°C.
9. Do not allow any liquid to enter the device, as this may cause a short circuit, electric

shock, or fire.

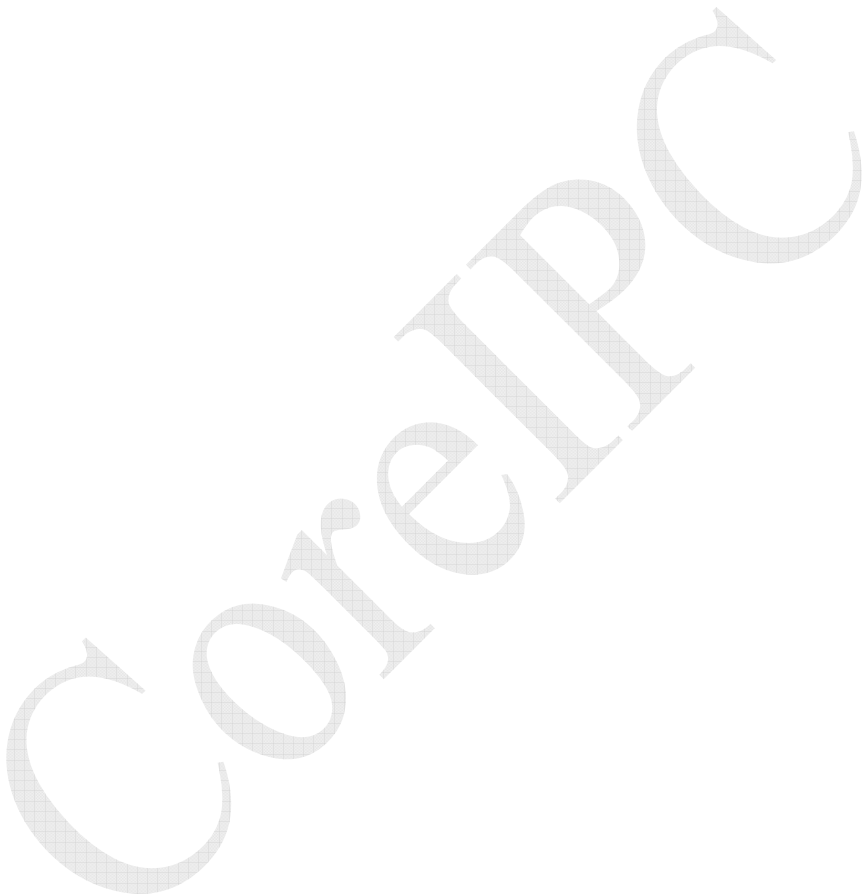
10. Do not open or disassemble the device by yourself. For safety reasons, servicing should only be performed by qualified technical personnel or authorized engineers.
11. Before connecting or disconnecting external devices, cables, or optional modules, it is recommended to power off the system first.

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Ordering Information

System Model	Display & Touch	Processor	Memory	Optional Features
CorelPC PanelPro 15	15.6-inch capacitive touchscreen	J1800 / J1900 / J4125 / i3-3217U / i5-3317U / i5-4300U / i7-4600U / i5-7200U / i5-10210U	4 GB / 8 GB / 16 GB	Wi-Fi / Bluetooth / 4G / GPS / 2nd LAN / extra USB / extra RS232 / 9-36 V module

Note: PanelPro 15 supports multiple processor and I/O configurations. LAN, USB and serial-port counts can be expanded depending on the selected system configuration. Confirm the processor, I/O expansion, wireless modules and wide-voltage option before ordering.



1. Product Description

The CoreIPC PanelPro 15 is an industrial Panel PC with a 15.6-inch capacitive touchscreen for embedded and industrial applications. It supports multiple Intel® Celeron® and Intel® Core™ processor options and integrates display, touch, computing and I/O functions into a fanless industrial panel platform.

The display provides 1920 × 1080 resolution, a 16:9 aspect ratio, 300 cd/m² brightness and full viewing angle. The main system specification lists 1 × Gigabit LAN expandable to 2 × Gigabit LAN, 4 × USB expandable to 6 × USB, and 2 × RS232 expandable to 6 × RS232.

Up to 2 COM ports can be configured as RS485. Optional Wi-Fi / Bluetooth, 4G and GPS modules are available. The system supports HDMI and VGA display output, DC 12 V input, and an optional DC 9-36 V wide-voltage module.

The aluminum-alloy middle frame and rear cover use a fanless passive-cooling design. Supported installation methods include embedded clip mounting, wall mounting and desktop mounting. Overall dimensions are 385.6 × 242.6 × 55.8 mm.

The main features of the CoreIPC PanelPro 15 are as follows:

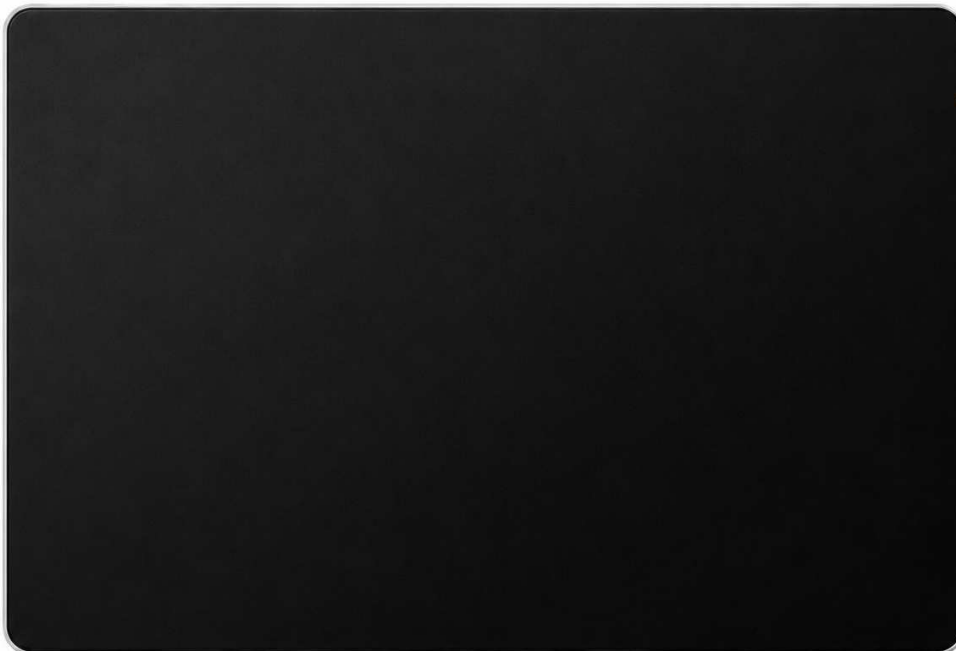
- 15.6-inch capacitive touchscreen
- 1920 × 1080 resolution, 16:9 aspect ratio, 300 cd/m² brightness and full viewing angle
- Intel® Celeron® J1800 / J1900 / J4125 and selected Intel® Core™ processor options
- 1 × Gigabit LAN expandable to 2 × Gigabit LAN; Wake-on-LAN / PXE supported
- 4 × USB expandable to 6 × USB
- 2 × RS232 expandable to 6 × RS232; up to 2 COM configurable as RS485
- Optional Wi-Fi / Bluetooth, 4G and GPS
- HDMI + VGA display output
- DC 12 V input; optional DC 9-36 V wide-voltage module
- Fanless passive cooling
- Embedded clip mounting, wall mounting and desktop mounting
- Overall dimensions: 385.6 × 242.6 × 55.8 mm

2. Product Images



Front View — Display On

Straight front view of the CoreIPC PanelPro 15 industrial Panel PC with the capacitive touchscreen active



Front View — Display Off

Front view of the CoreIPC PanelPro 15 with the display off

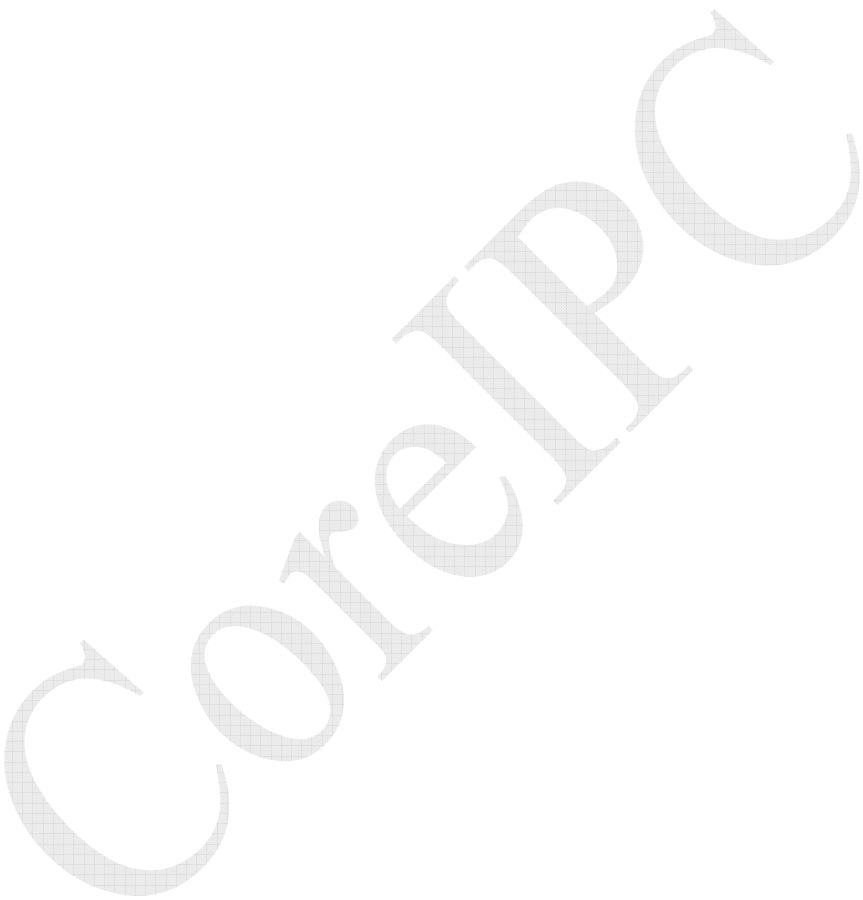


Rear I/O View



3. Chassis Specifications

Model	CoreIPC PanelPro 15
Product Type	Industrial Panel PC
Overall Dimensions	385.6 × 242.6 × 55.8 mm
Cutout Dimensions	381.1 × 238.1 mm, R9.6
Enclosure	Aluminum alloy middle frame and rear cover
Mounting	Embedded clip mounting / Wall mount / Desktop mount



4. System Configuration

Configuration	Available Options
Screen Size	15.6 inch
Touch Type	Capacitive touchscreen
Resolution	1920 × 1080
Aspect Ratio	16:9
Brightness	300 cd/m ²
Viewing Angle	Full viewing angle
Front Panel Protection	N/A in supplied source
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 × Gigabit LAN; expandable to 2 × Gigabit LAN; Wake-on-LAN / PXE support
USB	4 × USB; expandable to 6 × USB
Serial Ports	2 × RS232; expandable to 6 × RS232
RS485	Up to 2 COM ports configurable as RS485
Wireless	Optional Wi-Fi / Bluetooth
4G / GPS	Optional 4G / GPS
GPIO	N/A in supplied source
Expansion	N/A in supplied source
Power Input	DC 12 V, 5.5 mm outer diameter / 2.5 mm inner diameter
Power Features	Optional DC 9-36 V wide-voltage module
Cooling	Fanless design, passive cooling
Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 70°C
Humidity	5%-95% RH, non-condensing
Operating System	Windows 7 / Windows 10 / Linux
Overall Dimensions	385.6 × 242.6 × 55.8 mm

Configuration Note:

The supplied System Options table lists the standard configuration as 1 × Gigabit LAN, 4 × USB and 2 × RS232, with expansion to 2 × Gigabit LAN, 6 × USB and 6 × RS232. Up to 2 serial ports can be configured as RS485. Optional modules and expanded I/O depend on the selected system build.

5. Interface Details

Primary I/O



Expandable / Optional I/O

Function	Specification	Function	Specification
LAN	1 × Gigabit LAN	USB	4 × USB
Display	HDMI + VGA	Serial	2 × RS232
Power	DC 12 V, 5.5 / 2.5 mm	RS485	Up to 2 COM configurable

Display / Touch

Power / Mounting

Option / Variant	Description	Option / Variant	Description
LAN Expansion	Up to 2 × Gigabit LAN	USB Expansion	Up to 6 × USB
Serial Expansion	Up to 6 × RS232	RS485	Up to 2 COM configurable
Wireless	Wi-Fi / Bluetooth	Cellular / GPS	Optional 4G / GPS
Power	Optional DC 9-36 V module	Power Switch	Optional extended 0.5 m power switch

6. Display and Touch Specifications

PanelPro 15 uses a 15.6-inch capacitive touchscreen with 1920 × 1080 resolution, 16:9 aspect ratio, 300 cd/m² brightness and full viewing angle. Front-panel protection is not specified in the supplied source.

Item	Specification	Item	Specification	Item	Value	Note
Screen Size	15.6 inch	Touch	Capacitive	GPS	Optional	Source-listed options
Resolution	1920 × 1080	Aspect Ratio	16:9	Cooling	Fanless	Configuration-dependent
Brightness	300 cd/m ²	Viewing Angle	Full viewing angle	Humidity	5%-95% RH	Non-condensing
Cutout	381.1 × 238.1 mm, R9.6	Overall Size	385.6 × 242.6 × 55.8 mm	Serial	2 COM	L26-5300U: 6 COM

7. Mechanical Dimension

PanelPro 15 Dimensions

Overall: 385.6 x 242.6 x 55.8 mm

Cutout: 381.1 x 238.1 mm, R9.6

Mounting: Embedded / Wall / Desktop

Enclosure: Aluminum alloy frame + rear cover

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8. Warranty

CoreIPC provides the original purchaser with a one-year limited warranty from the date of purchase.

During the warranty period, if the product is found to be defective under normal use, CoreIPC will provide repair or replacement service free of charge. The warranty does not cover products that have been repaired or modified by unauthorized personnel, or damage caused by improper use, accidents, disasters, or incorrect installation.

For products outside the warranty period, repair service may still be available, and material and labor charges may apply. Please contact your CoreIPC sales representative for detailed service information.

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