Thinvent 15" Industrial Panel PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: PPC15-I3_12-16_16-M1024-12_7-M-11V-0

Speed and clarity for the factory floor.

The Thinvent® 15" Industrial Panel PC brings responsive Intel® Core™ i3-1215U performance to the point of work, so your team spends less time waiting and more time producing. Whether it sits on a production line, a service counter or a control desk, this panel PC is built to be the dependable face of your operation.

Why choose this panel PC

- Fast, fluid everyday performance. The 12th generation Intel® Core™ i3-1215U processor with 6 cores keeps dashboards, terminals and shop-floor applications moving smoothly, even when several tasks run at once.
- A screen your operators can actually read. The 15 inch display at 1024 × 768 with 350 nits brightness and wide 178° viewing angles stays legible from different positions and in bright surroundings.
- Ready for real industrial environments. Fanless passive cooling and an aluminium housing mean fewer moving parts to wear out, so you can deploy it where dust, heat and continuous operation are part of the job.
- Connect to the equipment you already run. HDMI, VGA, four USB ports, gigabit Ethernet, dual band Wi-Fi 5 and an optional RS485 connection let you link displays, peripherals, networks and legacy machinery without extra adapters.
- Stable software for the long haul. Windows 11 IoT Enterprise LTSC 2024 Value gives you a consistent, locked-down platform that suits kiosks, terminals and dedicated industrial applications.
- Flexible power for any site. The 12V 5A adapter with 100–240V AC input works across standard mains supplies, and the two metre cable gives you room to position the panel where it is needed.

If you want a panel PC that is quick to respond, easy to integrate and built for the realities of industrial work, the Thinvent® 15" Industrial Panel PC is the practical choice.

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Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 GB
SSD Storage	1024 GB

DISPLAY

Screen Size	15 inch
Resolution	1024 × 768
Brightness	350 nits
Viewing Angle	Horizontal 178°, Vertical 178°
HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

ENVIRONMENTAL

Ingress Protection	IP65

PHYSICAL

Form Factor	Panel PC
Thermal Design	Fanless Passive Cooling
Dimensions	370mm × 290mm × 55mm
Housing Material	Aluminium
Net and Gross Weight	4.72kg, 5.30kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value

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Ordering Information

PRODUCT CODE

`PPC15-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]`

RAM	**4** = 4GB DDR4	**8** = 8GB DDR4	**16** = 16GB DDR4	**32** = 32GB DDR4
	32_32 = 64GB DDR4 RAM (2 x 32GB)	**16_16** = 32GB DDR4 RAM (2 x 16GB)	**8_8** = 16GB DDR4 RAM (2 x 8GB)	
SSD	**m128** = 128GB		**m256** = 256GB	
	m512 = 512GB		**m1024** = 1TB	
	m2048 = 2TB			
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	11O = Windows 11 Professional		**Thinux** = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	**0** = None		**KM** = Keyboard and Mouse set	
	MK = Mechanical Keyboard		**Mo** = Wired Optical Scroll Mouse	

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