



Thinvent 15" Industrial Panel PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

2TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: PPC15-I7_12L-32-M2048-12_7-M-U-0



The panel PC that keeps your operation running, not your maintenance team.

Built for the factory floor, not the office desk

- The 15 inch panel gives operators a clear, consistent view of the line, with a 178 degree viewing angle so readings stay legible from wherever the workstation sits.
- Intel Core i7-1255U processing keeps dashboards, HMIs and data logging responsive, so shifts start on time and stay on schedule.
- Dual Gigabit Ethernet ports let you keep machine control and plant network traffic on separate links, simplifying how your cell connects to the wider system.
- Fanless passive cooling in an aluminium housing means fewer moving parts to service, which suits dusty workshops and hot production areas.

- Ubuntu Linux 24.04 LTS gives you a stable, familiar platform for kiosks, terminals and custom applications without licence overhead.
- RS485 option makes it straightforward to talk to legacy controllers, sensors and meters already installed on your line.
- USB 3.2, HDMI and VGA cover the peripherals, cameras and secondary displays your process needs.

Who it suits

- Production managers who need a dependable operator interface at the machine.
- System integrators building control panels, access terminals or self-service kiosks.
- Teams replacing ageing fixed-function terminals with a flexible Linux platform.

If downtime costs you more than hardware, choose a panel PC engineered to stay in service.



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Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	2048 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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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
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PHYSICAL

Form Factor	Panel PC
Thermal Design	Fanless Passive Cooling
Housing Material	Aluminium
Net and Gross Weight	0.93kg, 0.93kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

PPC15-i7_12L-[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	
	110 = Windows 11 Professional		Thinix = Thinix™ 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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