



Thinvent 15" Industrial Panel PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM (2 x 32GB)

2TB SSD

No WiFi

DOS

SKU: PPC15-I7_12L-32_32-M2048-12_7-X-DOS-0



Power your shop floor with a panel PC built to keep pace.

When production does not stop, neither should your terminal. The Thinvent 15" Industrial Panel PC brings desktop-class Intel Core i7 performance to the place where work actually happens, so your operators get instant responses instead of watching a spinner.

Why teams choose it

- A 12th generation Intel Core i7-1255U processor with 10 cores keeps demanding dashboards, MES screens and machine interfaces moving smoothly, even with several applications open at once.
- The 15 inch display with 350 nits brightness and wide 178 degree viewing angles stays clear from almost any position on the line, so operators read it without leaning in.
- Dual Gigabit Ethernet ports let you keep plant network traffic and machine communication on separate links, simplifying how you connect to both.

- An RS485 option lets you talk directly to legacy controllers, meters and PLCs without adding converter boxes.
- Fanless passive cooling in an aluminium housing means fewer moving parts to service, so the panel keeps working through dust, heat and long shifts.
- Two USB 3.2 ports, HDMI and VGA give you room to attach scanners, cameras and a second screen as your setup grows.

Whether you are upgrading an ageing terminal on a packaging line, building a control room station or rolling out the same panel across several machines, this is a dependable everyday workhorse that fits straight into your existing cabinets and workflows.

Choose Thinvent for industrial computing that simply gets on with the job.



Thinvent 15" Industrial Panel PC



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	64 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

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	FreeDOS
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Ordering Information

PRODUCT CODE

PPC15-i7_12L-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB)	32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB m2048 = 2TB	m256 = 256GB m1024 = 1TB		
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS 11V = Windows 11 IoT Value 110 = Windows 11 Professional U = Ubuntu Linux	W_OS = Without OS 11P = Windows 11 Pro Thinux = Thinux™ Embedded Linux		
Accessories	0 = None MK = Mechanical Keyboard	KM = Keyboard and Mouse set Mo = Wired Optical Scroll Mouse		

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