



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

Windows 11 Pro

SKU: PPC15-I7_12L-32_32-M2048-12_7-X-11P-0



Big performance for the factory floor.

Meet the Thinvent 15" Industrial Panel PC, a shop-floor workhorse built around Intel's 12th-generation Core i7-1255U. With 10 cores reaching up to 4.7 GHz and 12 MB of cache, it handles demanding industrial software without stutter, so your operators spend their time working rather than waiting.

Why teams choose it

- A bright 15-inch display with 350 nits and wide 178-degree viewing angles stays readable from almost any position on the line, cutting misreads and rework.
- Dual gigabit Ethernet ports let you keep control traffic and plant networks separate, a natural fit for SCADA, MES and machine-monitoring setups.

- The fanless aluminium housing means no vents to clog with dust and no moving parts to service, so it keeps running through long shifts in hot, grimy environments.
- An RS485 option connects directly to PLCs, drives and legacy equipment, while USB 3.2, HDMI and VGA cover modern peripherals and legacy displays alike.
- Windows 11 Pro comes ready to deploy, with the security and management tools IT teams already know.
- A wide-range 100 to 240 volt AC adapter with a 2 metre cable makes installation straightforward on most production floors.

If you need a panel PC that pairs serious computing power with the toughness of a sealed, passively cooled design, the Thinvent 15" is built for 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	Microsoft Windows 11 Pro
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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		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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