



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM (2 x 32GB)

128GB SSD

No WiFi

Ubuntu Linux

Quad DB9 Serial

SKU: IPC5-I7_12L-32_32-M128-12_7-X-U-4S



Engineered for the relentless rhythm of industry.

Unmatched power meets unwavering durability in the Thinvent IPC5. Designed entirely in India, this fanless industrial computer delivers robust performance where it matters most, without the vulnerability of moving parts. Its sleek, anodised dark grey aluminium housing isn't just for show—it provides superior heat dissipation and stands firm against dust, vibration, and demanding temperatures.

Where it excels

From complex automation lines to intelligent edge analytics, the IPC5 is built to drive your most critical processes. Its substantial processing muscle effortlessly handles advanced machine vision, real-time data processing, and sophisticated control systems. The wealth of connectivity, including multiple serial ports, ensures seamless integration with legacy machinery and modern peripherals alike.

Why choose the IPC5

- Experience flawless, silent operation with advanced fanless cooling in harsh environments.
- Leverage serious computing power for data-intensive tasks at the industrial edge.
- Connect everything with extensive legacy and modern I/O options in a compact, rugged form.
- Deploy with confidence using the stable and secure Ubuntu Linux platform.
- Invest in robust, purpose-built technology designed for industrial endurance.

Command your operations with reliable, high-performance computing. The Thinvent IPC5 is the steadfast core for your smart industrial future.



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	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
Front USB 2.0	3
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232
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

Operating Temperature	0°C ~ 50°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	RoHS, ISO

PHYSICAL

Form Factor	Industrial PC
Thermal Design	Fanless Passive Cooling
Dimensions	197mm × 210mm × 65mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.92kg, 3.34kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

IPC5-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		
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS	W_OS = Without OS		
	11V = Windows 11 IoT Value	11P = Windows 11 Pro		
	Thinix = Thinix™ Embedded Linux	U = Ubuntu Linux		
Accessories	0 = None	4S = Quad DB9 Serial		

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