Thinvent Industrial PC IPC5

Intel Core i5-1235U processor

10 core, up to 4.4 GHz, 12 MB cache

Dual LAN

6 COM

32GB DDR4 RAM

128GB SSD

No WiFi

DOS

Quad DB9 Serial



SKU: IPC5-I5_12L6-32-M128-12_7-X-DOS-4S

Power through the toughest industrial workloads.

The Thinvent® Industrial PC IPC5 is built for the shop floor, not the office desk. With a 12th generation Intel® Core™ i5-1235U processor delivering 10 cores and speeds up to 4.4 GHz, it handles demanding automation, machine vision and edge computing tasks without breaking a sweat.

Why industrial teams choose the IPC5

- Serious processing power for advanced automation, vision systems and edge analytics, so your lines keep moving and your data stays close to where it is generated.
- Fanless passive cooling in a rugged aluminium chassis with a smooth anodised dark grey finish, designed to keep running shift after shift in dusty, hot environments.
- Exceptional connectivity with dual Gigabit Ethernet and six DB9 serial ports, making it easy to link PLCs, sensors, scales, scanners and legacy equipment on one dependable machine.
- Flexible expansion through HDMI, VGA, front and rear audio, and a mix of USB 3.2 and USB 2.0 ports for cameras, drives and peripherals.
- An RS485 option for longer industrial runs, plus reliable 12V DC operation from a standard AC supply.
- Proudly 100% designed in India, backed by RoHS and ISO certified manufacturing.

If your operation needs a compact industrial computer that combines real computing muscle with the ports to match, the IPC5 is ready to earn its place on your line.









Thinvent Industrial PC IPC5

Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1235U
Cores	10
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 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	200mm × 155mm × 37mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.92kg, 3.72kg

OPERATING SYSTEM

Operating System	FreeDOS

Thinvent Industrial PC IPC5

Ordering Information

PRODUCT CODE

`IPC5-i5_12l6-[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		**4S** = Quad DB9 Serial	

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