



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinux Embedded Linux

Quad DB9 Serial



SKU: IPC5-I5_12L-16-M1024-12_7-M-THINUX-4S

Unleash robust intelligence at the very edge of your operations.

Engineered for Demanding Environments

This high-performance industrial PC is built for relentless duty. Its fanless, rugged aluminium chassis ensures silent, dust-resistant operation in the harshest conditions, from the factory floor to outdoor installations. The smooth anodised grey finish speaks to its durable, 100% India-designed quality.

Power to Transform Your Processes

Harness serious computing muscle for advanced applications without compromise. It effortlessly handles complex tasks like real-time machine vision, sophisticated edge computing analytics, and precision industrial automation, keeping your systems running smoothly and intelligently.

Maximum Connectivity, Ultimate Integration

Forget connectivity bottlenecks. With extensive serial and dual network ports, this unit seamlessly interfaces with a vast array of machinery, legacy equipment, and modern sensors. It consolidates control and data acquisition into one reliable, powerful hub, simplifying your entire architecture.

Ready for Remote Management

Stay in complete control from anywhere. With integrated remote management capabilities, you can monitor, update, and troubleshoot your systems without needing to be on-site, minimising downtime and maximising operational efficiency.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1240P |
| Cores | 12 |
| Max Frequency | 4.4 GHz |
| Cache | 12 MB |
| Main Memory | 16 GB |
| SSD Storage | 1024 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 | 4 |
| Front Serial Port | 2 DB9 male RS232 |
| Rear Serial Port | 4 DB9 male RS232 |

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

| | |
|-----------------------|------------------------------|
| 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 | Thinvent® Thinux™ Embedded Linux |
| OS Features | Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP. |

Ordering Information

| PRODUCT CODE | |
|---|--|
| IPC5-i5_121-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | |
| RAM | 4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB 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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux |
| Accessories | 0 = None 4S = Quad DB9 Serial |

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