

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

2TB SSD

Dual Band WiFi

Thinux Embedded Linux

Quad DB9 Serial

SKU: IPC5-I5_13-16_16-M2048-12_7-M-THINUX-4S



Power Your Industrial Future: Rugged Performance, Unmatched Connectivity.

The Thinvent® Industrial PC IPC5 is engineered for the most demanding environments, delivering uncompromising power and reliability in a fanless, compact design. 100% designed in India, this robust IPC redefines industrial automation, edge computing, and machine vision.

Performance

At its core, the IPC5 features an Intel® Core™ i5-1335U processor with 10 cores, bursting up to 4.6 GHz, and a substantial 12 MB cache. Coupled with 8GB DDR4 RAM and a rapid 128GB SSD, it provides the computational muscle needed for complex data processing and real-time operations, ensuring seamless execution of advanced industrial applications.

Connectivity and Versatility

Experience unparalleled connectivity with six DB9 male RS232 serial ports, perfect for integrating diverse industrial peripherals.

- Six DB9 male RS232 serial ports
- Two USB 3.2 and two USB 2.0 ports
- HDMI and VGA outputs for dual display setups
- Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust networking
- Speaker Out and Mic In for audio integration

Measuring just 197mm × 210mm × 65mm, its compact size allows for versatile deployment.

Durability and Design

Crafted from durable aluminium with a smooth, dark grey anodised finish, the IPC5 is built for resilience. Its fanless architecture ensures silent operation and exceptional reliability in dust-prone environments, operating flawlessly from 0°C to 50°C. RoHS and ISO certified, it guarantees quality and environmental compliance.

Operating System

Pre-installed with Thinvent® Thinux™ Embedded Linux, the IPC5 offers a secure, stable, and feature-rich platform tailored for industrial use.

- Essential web browsers: Chromium and Mozilla Firefox
- Comprehensive remote access: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and browser-based remote management
- VNC shadowing for seamless monitoring
- Development support for Java, Python, and glibc-based applications
- Productivity tools: LibreOffice and PDF viewer
- Multimedia player with MPEG4 support and SIP video/voice over IP capabilities



Thinvent Industrial PC IPC5



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	2048 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
USB 2.0	2
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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	2.82kg, 3.24kg

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_13-[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

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

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

4S = Quad DB9 Serial

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