



Thinvent Industrial PC IPC1

Intel processor N100

4 core, up to 3.4 GHz, 6 MB cache

16GB DDR4 RAM

32GB SSD

Dual Band WiFi

Thinux Embedded Linux

Thinvent Keyboard and Mouse set

SKU: IPC1-100-16-M32-12_5-M-THINUX-KM



Experience Uninterrupted Performance: The Thinvent® Industrial PC IPC1

Empower your operations with the robust and reliable Thinvent® Industrial PC IPC1, engineered for demanding environments. This compact powerhouse leverages the Intel® processor N100, boasting 4 cores that reach up to 3.4 GHz with a 6 MB cache, ensuring smooth multitasking and swift processing for your critical applications.

Key Specifications

- Processor: Intel® N100 (4 Cores, up to 3.4 GHz, 6 MB Cache)
- Memory: 8GB DDR4 RAM
- Storage: 128GB SSD
- Display Outputs: 1x HDMI, 1x VGA
- Audio: 1x Speaker Out, 1x Mic In, 1x Front Speaker Out, 1x Front Mic In
- Connectivity: 2x USB 3.2 Gen 2, 1x USB 3.2 Gen 1, 1x USB C, 4x Front USB 2.0, 1x 1000 Mbps Ethernet
- Wireless: Dual Band Wi-Fi 5 (802.11ac)
- Power: 12V 5A Adapter (100~240V AC input)

Designed for Resilience and Silence

Crafted with a solid aluminium housing, featuring a powder-coated base and anodised cover, the IPC1 offers superior durability. Its finned design and fanless operation guarantee efficient heat dissipation, silent performance, and protection against dust ingress, making it ideal for both office and industrial settings.

Intelligent Operating System

Pre-loaded with Thinux™ Embedded Linux, the IPC1 comes ready for immediate deployment. Enjoy enhanced productivity with built-in Chromium and Mozilla Firefox browsers, comprehensive remote access tools like RDP 10 and SSH, and support for Java and Python. Essential office tools like LibreOffice and a PDF viewer are also included, alongside a multimedia player.

Complete Package

This all-in-one solution includes a Thinvent® Keyboard and Mouse set and a 2-meter power adapter. With VESA mount compatibility, it seamlessly integrates into your workspace. Certified for RoHS, ISO, and BIS, and operating efficiently between 0°C and 40°C, the IPC1 is a testament to 100% India-designed innovation.



Specifications

PROCESSING

Generation	12th
Series	N
Processor Brand	Intel
Processor Model	N100
Cores	4
Max Frequency	3.4 GHz
Cache	6 MB
Main Memory	16 GB
SSD Storage	32 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 Gen 2	2
USB 3.2 Gen 1	1
USB C	1
Front USB 2.0	4
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	5 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

ENVIRONMENTAL

Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

PHYSICAL

Form Factor	Industrial PC
Thermal Design	Fanless Passive Cooling
Dimensions	199.5mm × 181.5mm × 34.5mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Powder Coated Base, Anodised Cover
Housing Colour	Black
Net and Gross Weight	1.81kg, 2.23kg

ACCESSORIES

Keyboard and Mouse	1
VESA Mount	1

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	
IPC1-100-[RAM]-[SSD]-12_5-[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 11I = Windows 11 IoT 11P = Windows 11 Pro 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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