



Thinvent Industrial PC IPC1

Intel processor N100

4 core, up to 3.4 GHz, 6 MB cache

64GB DDR4 RAM

32GB SSD

Dual Band WiFi

Without OS

SKU: IPC1-100-64-M32-12_5-M-W_OS-0



Thinvent® Industrial PC IPC1: Unyielding Power, Unrivalled Reliability, Pure Silence.

Experience the future of industrial and office computing with the Thinvent® Industrial PC IPC1. Meticulously designed in India, this compact powerhouse delivers robust performance in any challenging environment. Its fanless architecture ensures absolutely silent operation and prevents dust ingress, making it ideal for both sensitive clean rooms and harsh industrial settings.

Peak Performance

- Driven by an Intel® N100 processor with 4 cores, reaching up to 3.4 GHz, and a 6 MB cache, the IPC1 handles demanding tasks with ease.
- Navigate complex applications effortlessly thanks to 16GB DDR4 RAM.
- Store critical data and applications on the blazing-fast 1TB SSD, providing ample space and rapid boot times.

Seamless Connectivity

- Connect to multiple displays with 1 HDMI and 1 VGA port.
- Enjoy comprehensive peripheral support with 2x USB 3.2 Gen 2, 1x USB 3.2 Gen 1, 1x USB-C, and 4x front USB 2.0 ports.

- Ensure stable and high-speed networking via Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Integrated speaker out and mic in ports offer full audio capabilities, including convenient front-panel options.

Engineered for Extremes

- Crafted from solid aluminium with an anodised cover and a powder-coated base, its finned design provides exceptional passive heat dissipation.
- Operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH.
- Built to last, featuring RoHS, ISO, and BIS certifications.
- Its ultra-compact dimensions (199.5mm x 181.5mm x 34.5mm) and VESA mount capability allow for flexible installation.

Tailored for Your Needs

- Shipped without an operating system, giving you the freedom to install your preferred OS.
- Powered by a stable 12V 2A adapter, ready for global use with its 100-240V AC input.



Specifications

PROCESSING

Generation	12th
Series	N
Processor Brand	Intel
Processor Model	N100
Cores	4
Max Frequency	3.4 GHz
Cache	6 MB
Main Memory	64 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	1.29kg, 1.71kg

ACCESSORIES

VESA Mount	1
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OPERATING SYSTEM

Operating System	Without OS
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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 Thinix = Thinix™ 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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