

Intel processor N100

4 core, up to 3.4 GHz, 6 MB cache

8GB DDR4 RAM

32GB SSD

No WiFi

Windows 11 IoT

Thinvent Keyboard and Mouse set



SKU: IPC1-100-8-M32-12_5-X-11I-KM

Unleash Industrial Power, Silently.

Introducing the Thinvent® Industrial PC IPC1: Engineered for demanding environments, this robust machine delivers uncompromising performance and reliability. Experience the future of industrial computing with a compact powerhouse designed for both office and harsh industrial settings.

Key Performance Highlights

- Powered by Intel® N100 processor with 4 cores, reaching up to 3.4 GHz and a 6 MB cache for swift multitasking.
- Massive 64GB DDR4 RAM ensures seamless operation of complex applications.
- Blazing-fast 512GB SSD provides rapid boot times and quick data access.

Built for Durability and Efficiency

- Solid aluminium housing with a powder-coated base and anodised cover offers exceptional resilience.
- The finned design ensures superior, fanless heat dissipation, guaranteeing silent operation and preventing dust ingress.
- Designed and 100% manufactured in India, adhering to the highest quality standards.

Comprehensive Connectivity

- 1 x HDMI, 1 x VGA for versatile display options.
- 2 x USB 3.2 Gen 2, 1 x USB 3.2 Gen 1, 1 x USB C, and 4 x Front USB 2.0 ports for all your peripherals.
- 1000 Mbps Ethernet for reliable network connectivity.
- Integrated audio with Speaker Out, Mic In, and Front Speaker Out/Mic In.

Seamless Integration

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Entry.
- Includes a Thinvent® Keyboard and Mouse set for immediate productivity.
- VESA mount compatible for flexible installation.

Specifications

- Power: 12V 5A Adapter, 100~240 Volts AC input.
- Operating Conditions: 0°C ~ 40°C ambient temperature, 20% ~ 80% RH humidity.
- Certifications: RoHS, ISO, BIS.
- Dimensions: 199.5mm x 181.5mm x 34.5mm.

The Thinvent® IPC1 is your dependable partner for uninterrupted industrial performance.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | N |
| Processor Brand | Intel |
| Processor Model | N100 |
| Cores | 4 |
| Max Frequency | 3.4 GHz |
| Cache | 6 MB |
| Main Memory | 8 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 |
|----------|-----------|

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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Entry |
|------------------|---|

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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