

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

8GB DDR4 RAM

1TB SSD

No WiFi

Ubuntu Linux

SKU: H-I3_13-8-M1024-12_5-X-U-0



Unleash Industrial Power: The Neo H Mini PC, Made in India.

Product Overview

Meet the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This is our largest and most powerful system, meticulously 100% designed and made in India, crafted as an industrial workhorse built for the most demanding environments. Its solid steel housing with a black powder-coat finish ensures unparalleled durability and a robust form factor (210mm × 202mm × 80mm).

Performance Prowess

Driven by an Intel® Core™ i3-1315U processor featuring 6 cores, a blistering max frequency of 4.5 GHz, and 10 MB of cache, the Neo H delivers exceptional processing power. Coupled with 16GB DDR4 RAM and a rapid 256GB SSD, it provides superior speed and responsiveness crucial for mission-critical applications.

Connectivity & Reliability

Engineered for industrial applications, this unit boasts a host of connectivity options for stable operation.

- Ports: 1 HDMI, 1 VGA, 2 USB 3.2, 2 USB 2.0, Speaker Out, Mic In.
- Network: A reliable 1000 Mbps Ethernet connection ensures secure, wired-only communication, ideal for industrial control systems where stability is paramount (No WiFi).
- Power: Operates on a wide 100~275 Volts AC input via a 12V 7A adapter with a 2-metre cable.
- Durability: Designed for tough conditions, it functions reliably between 0°C ~ 40°C with 20% ~ 80% RH non-condensing humidity.

Operating System & Certifications

Pre-loaded with Ubuntu Linux 24.04 LTS, it provides a stable, secure, and open-source platform. The Neo H Mini PC is proudly BIS, RoHS, and ISO certified, guaranteeing quality and compliance. Perfectly suited for industrial control and similar applications where performance, reliability, and robust wired connectivity are essential.



Thinvent Neo H Mini PC



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1315U |
| Cores | 6 |
| Max Frequency | 4.5 GHz |
| Cache | 10 MB |
| Main Memory | 8 GB |
| SSD Storage | 1024 GB |

DISPLAY

| | |
|------|---|
| HDMI | 1 |
| VGA | 1 |

AUDIO

| | |
|-------------|---|
| Speaker Out | 1 |
| Mic In | 1 |

CONNECTIVITY

| | |
|---------|---|
| USB 3.2 | 2 |
| USB 2.0 | 2 |

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 | Mini PC |
| Dimensions | 210mm × 202mm × 80mm |
| Packing Dimensions | 340mm × 235mm × 105mm |
| Housing Material | Steel |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.62kg, 2.04kg |

OPERATING SYSTEM

| | |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

Ordering Information

| PRODUCT CODE | |
|---|--|
| H-i3_13-[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 S32 = 32GB MLC S128 = 128GB S256 = 256GB |
| Wireless | m = Dual Band WiFi X = No WiFi |
| OS | DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinix = Thinix™ Embedded Linux U = Ubuntu Linux |
| Accessories | 0 = None KM = Keyboard and Mouse set 1S = DB9 Serial MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse |

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