

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 256GB SSD

## No WiFi

## Ubuntu Linux

SKU: H-I3\_13-32-M256-12\_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

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Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	32 GB
SSD Storage	256 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1

### CONNECTIVITY

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USB 3.2	2
USB 2.0	2

### NETWORKING

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Ethernet	1000 Mbps
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### POWER

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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

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

### PHYSICAL

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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

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

PRODUCT CODE	
<b>H-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>	
<b>RAM</b>	<b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4 <b>64</b> = 64GB DDR4
<b>SSD</b>	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <b>m1024</b> = 1TB <b>S32</b> = 32GB MLC <b>S128</b> = 128GB <b>S256</b> = 256GB
<b>Wireless</b>	<b>m</b> = Dual Band WiFi <b>X</b> = No WiFi
<b>OS</b>	<b>DOS</b> = DOS <b>W_OS</b> = Without OS <b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro <b>Thinux</b> = Thinux™ Embedded Linux <b>U</b> = Ubuntu Linux
<b>Accessories</b>	<b>0</b> = None <b>KM</b> = Keyboard and Mouse set <b>1S</b> = DB9 Serial <b>MK</b> = Mechanical Keyboard <b>Mo</b> = Wired Optical Scroll Mouse

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