



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## No WiFi

## Ubuntu Linux

## DB9 Serial

SKU: H-I3\_13-16-M128-12\_5-X-U-1S



### Precision Performance for Industrial Demands.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. As our largest product, this industrial workhorse is 100% designed and made in India, engineered for unwavering reliability and power in demanding environments, suitable for industrial control and similar applications.

#### Engineered for Excellence

- Experience unwavering speed with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst frequencies up to 4.5 GHz, backed by a generous 10 MB cache.
- Multitask effortlessly with 16GB DDR4 RAM, ensuring smooth operation for critical applications.
- Benefit from rapid system response and quick data access with the integrated 256GB SSD.
- Pre-installed with Ubuntu Linux 24.04 LTS for a stable, secure, and open-source platform.

#### Built for Connectivity & Control

- The Neo H excels in industrial control and similar applications, offering a comprehensive suite of connectivity.

- A critical DB9 serial port provides essential connectivity for legacy devices and automation systems.
- Gigabit Ethernet ensures secure, high-speed wired networking, ideal for stability where wireless isn't an option.
- Versatile display outputs include HDMI and VGA, along with ample USB 3.2 (2 ports) and USB 2.0 (2 ports) for peripherals.
- Dedicated speaker out and mic in ports offer audio flexibility.

#### Durability and Reliability

- Housed in a solid, powder-coated black steel chassis, this unit is built to withstand rigorous daily use.
- Operates reliably in temperatures from 0°C to 40°C and humidity up to 80% RH, non-condensing.
- Powered by a robust 12V 7A adapter with a wide input range (100~275V AC).
- Certified with BIS, RoHS, and ISO standards, guaranteeing quality and environmental compliance.

The Thinvent Neo H Mini PC is your dedicated solution for powerful, enduring performance in industrial settings.



# 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	16 GB
SSD Storage	128 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
Serial Port	1 DB9 male RS232

### 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>64</b> = 64GB DDR4	<b>8</b> = 8GB DDR4	<b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4
<b>SSD</b>	<b>m128</b> = 128GB <b>m32</b> = 32GB <b>m1024</b> = 1TB <b>S128</b> = 128GB		<b>m256</b> = 256GB <b>m512</b> = 512GB <b>S32</b> = 32GB MLC <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>11V</b> = Windows 11 IoT Value <b>Thinix</b> = Thinix™ Embedded Linux		<b>W_OS</b> = Without OS <b>11P</b> = Windows 11 Pro <b>U</b> = Ubuntu Linux
<b>Accessories</b>	<b>0</b> = None <b>1S</b> = DB9 Serial <b>Mo</b> = Wired Optical Scroll Mouse		<b>KM</b> = Keyboard and Mouse set <b>MK</b> = Mechanical Keyboard

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