



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 4GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: H-I3\_12-4-M1024-12\_5-M-11V-0



Unleash Unrivaled Industrial Performance.

### Thinvent® Neo H: The High-Performance Mini PC

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This industrial workhorse is our largest and most powerful system, meticulously 100% designed and made in India. With a solid steel build and sleek black powder coating, it's engineered for uncompromising durability in demanding environments, making it ideal for industrial control and similar applications.

#### Core Performance Unleashed

Experience blazing speed and seamless multitasking with the Intel® Core™ i3-1215U processor, featuring 6 cores, up to 4.4 GHz boost, and a generous 10 MB cache. Equipped with a massive 64GB DDR4 RAM and a swift 128GB SSD, the Neo H delivers the computational muscle required for even the most intensive tasks.

### Robust Connectivity and Design

#### Connectivity is comprehensive and reliable

- Connect to multiple displays via HDMI and VGA.
- Integrate a host of peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- Ensure robust network access with a 1000 Mbps Ethernet port and dual-band Wi-Fi 5 (802.11ac).
- Audio needs are met with dedicated Speaker Out and Mic In.

This compact powerhouse, measuring 210mm × 202mm × 80mm, operates reliably from 0°C to 40°C. Powered by a 12V 7A adapter with a 2-meter cable (accepting 100~275V AC input), the Neo H is certified with BIS, RoHS, and ISO. Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it guarantees stability, security, and long-term support for your critical operations.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	4 GB
SSD Storage	1024 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
RS485 Option	1

### NETWORKING

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Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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	1.69kg, 2.11kg

### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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## Ordering Information

PRODUCT CODE	
<b>H-i3_12-[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>Thinix</b> = Thinix™ 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

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

**R&D and Manufacturing**  
 #11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
 UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

