



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Ubuntu Linux

## DB9 Serial

SKU: H-I3\_12-32-M512-12\_5-M-U-1S



## Unleash Unrivaled Power: The Thinvent Neo H – Your Industrial Command Center.

Elevate your operations with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our most robust and largest offering, engineered as an industrial workhorse, the Neo H is purpose-built for demanding industrial control and similar critical applications. Proudly 100% designed and made in India, its solid steel construction guarantees durability and reliability where it matters most.

### Unmatched Performance

- Experience lightning-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores and a blazing 4.4 GHz max frequency, backed by a 10 MB cache for seamless multitasking.
- Tackle the most intensive workloads effortlessly with a staggering 64GB DDR4 RAM.
- Boot up instantly and access files in a flash on the spacious 1TB SSD.
- Operate with stability and security thanks to pre-installed Ubuntu Linux 24.04 LTS.

### Connectivity for Every Need

- Integrate seamlessly with existing setups using comprehensive I/O: 2x USB 3.2, 2x USB 2.0, 1x HDMI, 1x VGA, and a crucial DB9 male RS232 serial port for legacy industrial equipment.
- Stay connected with reliable dual-band Wi-Fi 5 (802.11ac) and a rapid 1000 Mbps Ethernet port.

### Built to Endure

- Housed in a durable, powder-coated black steel chassis, designed for resilience in challenging environments.
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Operates reliably across temperatures from 0°C to 40°C and humidity levels of 20% to 80% RH.

The Thinvent Neo H Mini PC delivers powerful computing in a compact, resilient package, ready to drive your most critical systems.

# 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	32 GB
SSD Storage	512 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
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	Ubuntu Linux 24.04 LTS
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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

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