

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## No WiFi

## Ubuntu Linux

SKU: H-I5\_14-32-M512-12\_5-X-U-0



### Unleash Industrial Performance: The Neo H Mini PC Redefined.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse, proudly designed and made in India with a solid steel build, offers unparalleled reliability and power for demanding applications like industrial control. It's our largest product, engineered for superior CPU and RAM configurations.

#### Experience Unrivaled Power

- Powered by an Intel® Core™ 5 120U processor with 10 cores, bursting up to 5.0 GHz and featuring a 12 MB cache, for lightning-fast processing.
- Seamlessly handle intensive tasks with 32GB DDR4 RAM.
- Enjoy blazing-fast boot times and ample storage with a 1TB SSD.

#### Robust Connectivity & Reliability

- Connect multiple displays with 2 HDMI and 1 VGA output.

- Ensure stable, high-speed networking with 1000 Mbps Ethernet (no WiFi for enhanced security and reliability in industrial settings).
- Versatile peripheral support via 2 USB 3.0 and 2 USB 2.0 ports.
- Features speaker out and mic in ports for comprehensive audio needs.
- Runs on a secure and stable Ubuntu Linux 24.04 LTS operating system.
- Operates reliably on a wide power input of 100~275 Volts AC, delivered via a robust 12V 7A adapter with a 2-metre cable.

#### Engineered for Extremes

- Housed in a durable, powder-coated black steel chassis (210mm x 202mm x 80mm).
- Built to perform in challenging environments, from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO for quality and compliance.

The Neo H Mini PC is your definitive solution for industrial-grade computing.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	2
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1

### CONNECTIVITY

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USB 3.0	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	1.33kg, 1.75kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

PRODUCT CODE			
<b>H-i5_14-[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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