



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 32GB DDR4 RAM

## 32GB MLC SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: H-I5\_14-32-S32-12\_5-M-U-0



Unleash unparalleled power in a compact, industrial-grade design.

Introducing the Thinvent® Neo H Mini PC, the High Performance evolution of our bestselling Neo model. This industrial workhorse is our largest and most robust offering, engineered to dominate demanding applications from industrial control to complex data processing. Experience blazing speed and seamless multitasking with the Intel® Core™ 5 120U processor, featuring

- 10 cores for exceptional parallel processing
- Up to 5.0 GHz max frequency for turbo-charged performance
- A generous 12 MB cache for rapid data access

### Power and Performance

Equipped with 16GB DDR4 RAM and a rapid 256GB SSD, the Neo H ensures instant responsiveness and efficient operation, even under heavy loads. Its pre-installed Ubuntu Linux 24.04 LTS provides a stable, secure, and open-source foundation for your critical operations.

### Connectivity and Durability

Designed for maximum versatility, this mini PC boasts a comprehensive suite of ports

- Dual HDMI and a VGA port for flexible display setups
- Four USB ports (two USB 3.0, two USB 2.0) for extensive peripheral support
- Gigabit Ethernet and dual-band Wi-Fi 5 for reliable, high-speed networking
- Speaker Out and Mic In for audio integration

Built with a solid steel housing and powder-coated black finish, the Neo H is a testament to durability, operating reliably from 0°C to 40°C. Proudly 100% designed and made in India, and certified with BIS, RoHS, and ISO, it represents peak performance and unwavering reliability for your toughest challenges.

# 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	32 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
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	1.33kg, 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>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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