

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 4GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Ubuntu Linux

## DB9 Serial

SKU: H-I5\_14-4-M128-12\_5-M-U-1S



## Thinvent Neo H: Unrivaled Power for Industrial Command.

Meet the Thinvent® Neo H, the high-performance evolution of our bestselling Neo series. This is our most robust and largest Mini PC, engineered as an industrial workhorse to tackle your most demanding applications. Proudly 100% designed and made in India, its solid steel build ensures unwavering reliability in challenging environments.

### Unleash exceptional processing power with the Intel® Core™ 5 120U processor

- 10 Cores: For seamless multitasking and heavy computational loads.
- Up to 5.0 GHz Max Frequency: Delivering lightning-fast responsiveness.
- 12 MB Cache: Optimizing data access for peak efficiency.

With a massive 32GB DDR4 RAM and a rapid 256GB SSD, the Neo H ensures swift boot times, instant application loading, and smooth operation, even under pressure.

### Connectivity for Critical Operations

- Dual HDMI and VGA: Support for multiple displays for comprehensive monitoring.

- 2x USB 3.0 and 2x USB 2.0: Ample high-speed peripheral connections.
- 1x DB9 Serial Port (RS232): Essential for legacy industrial control and automation.
- Gigabit Ethernet and Dual Band Wi-Fi 5: Reliable, high-speed networking options.
- Speaker Out and Mic In: Full audio capabilities.

### Built for Durability

- Steel housing with Power Coating: Resists wear and tear in industrial settings.
- Wide Operating Temperature: From 0°C to 40°C, ensuring stability.
- Certifications: BIS, RoHS, ISO compliance guarantees quality and safety.

### Operating System

- Ubuntu Linux 24.04 LTS: Providing a stable, secure, and open-source platform.

The Thinvent Neo H is the ultimate choice for industrial control, automation, and applications demanding maximum performance and unwavering reliability in a compact, powerful package.

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

### 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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