

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Windows 11 Pro

## DB9 Serial

SKU: H-I5\_14-16-M128-12\_5-M-11P-1S



## Unleash Industrial Power: The Neo H Mini PC Redefines Performance.

Experience the high-performance evolution of our bestselling Neo series with the Thinvent® Neo H Mini PC. Engineered as an industrial workhorse, this powerhouse boasts our largest CPU and RAM configurations, designed to excel in demanding industrial control and similar applications. 100% designed and made in India with a solid steel build, it offers uncompromising durability.

### Key Performance

- At its core lies an Intel® Core™ 5 120U processor with 10 cores and speeds up to 5.0 GHz, supported by a 12 MB cache for unparalleled processing power.
- Effortless multitasking and handling of heavy workloads are guaranteed with a substantial 32GB DDR4 RAM.
- Enjoy lightning-fast responsiveness and rapid application loading thanks to the 256GB SSD.

### Unrivalled Connectivity

- A host of connectivity options include 2 HDMI and 1 VGA ports for versatile display setups.

- Integrate effortlessly with industrial systems via the dedicated DB9 serial port.
- Benefit from dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet for robust network access.
- Extensive peripheral support with 2 USB 3.0 and 2 USB 2.0 ports, plus Speaker Out and Mic In.

### Built for Reliability

- Housed in a robust 210mm × 202mm × 80mm black powder-coated steel chassis, it's built to withstand challenging environments.
- Operates reliably from 0°C to 40°C, ensuring consistent performance.
- Pre-installed with Windows 11 Pro for enhanced security and productivity.
- Certified with BIS, RoHS, and ISO standards for assured quality.

This is a powerful, compact solution for your most critical operations.

# 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	16 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	Microsoft Windows 11 Pro
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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

[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

