



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 32GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: H-I5\_14-32-S256-12\_5-M-11V-0



## Thinvent Neo H: The Industrial Powerhouse, Engineered for Excellence.

Experience unmatched performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse, our largest Neo model, is engineered in India for demanding applications like industrial control, offering robust power and unwavering reliability in a compact, solid steel chassis.

### Performance Beyond Limits

Unleash exceptional speed and efficiency with the Intel® Core™ 5 12U processor, boasting 10 cores and clocking up to 5.0 GHz with a generous 12 MB cache. Coupled with 32GB DDR4 RAM and a swift 256GB SSD, the Neo H delivers rapid boot-ups, seamless multitasking, and responsive operation for critical industrial tasks.

### Comprehensive Connectivity

- Dual HDMI and a VGA port provide versatile multi-display support for monitoring and control systems.
- 2 USB 3.0 and 2 USB 2.0 ports for diverse peripheral connections.

- Gigabit Ethernet ensures high-speed wired networking.
- Dual Band Wi-Fi 5 (802.11ac) offers reliable wireless connectivity.
- Speaker Out and Mic In for complete audio integration.

### Built to Endure

- Durable steel housing with a sleek black powder coating ensures longevity in harsh environments.
- Designed to operate from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO standards for unwavering quality and safety.
- Pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value for long-term stability, security, and enterprise-grade manageability.

The Thinvent Neo H is not just a mini PC; it's a testament to powerful, reliable, and proudly Indian engineering, ready to elevate your industrial operations.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |        |
|-----------------|--------|
| 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     | 256 GB |

### DISPLAY

|      |   |
|------|---|
| HDMI | 2 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|         |   |
|---------|---|
| USB 3.0 | 2 |
| USB 2.0 | 2 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| 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

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

|                      |                       |
|----------------------|-----------------------|
| 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

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## Ordering Information

### PRODUCT CODE

**H-i5\_14-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                                                                                 |                                                                                            |                       |                       |
|-------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4<br><b>64</b> = 64GB DDR4                                                    | <b>8</b> = 8GB DDR4                                                                        | <b>16</b> = 16GB DDR4 | <b>32</b> = 32GB DDR4 |
| SSD         | <b>m128</b> = 128GB<br><b>m32</b> = 32GB<br><b>m1024</b> = 1TB<br><b>S128</b> = 128GB           | <b>m256</b> = 256GB<br><b>m512</b> = 512GB<br><b>S32</b> = 32GB MLC<br><b>S256</b> = 256GB |                       |                       |
| Wireless    | <b>m</b> = Dual Band WiFi                                                                       | <b>X</b> = No WiFi                                                                         |                       |                       |
| OS          | <b>DOS</b> = DOS<br><b>11V</b> = Windows 11 IoT Value<br><b>Thinix</b> = Thinix™ Embedded Linux | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>U</b> = Ubuntu Linux         |                       |                       |
| Accessories | <b>0</b> = None<br><b>1S</b> = DB9 Serial<br><b>Mo</b> = Wired Optical Scroll Mouse             | <b>KM</b> = Keyboard and Mouse set<br><b>MK</b> = Mechanical Keyboard                      |                       |                       |

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