

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 8GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Ubuntu Linux

## DB9 Serial

SKU: H-I5\_14-8-M1024-12\_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     | 8 GB    |
| SSD Storage     | 1024 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 |
|------------------|------------------------|

## 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<br><b>64</b> = 64GB DDR4   |
| <b>SSD</b>  | <b>m128</b> = 128GB <b>m256</b> = 256GB<br><b>m32</b> = 32GB <b>m512</b> = 512GB<br><b>m1024</b> = 1TB <b>S32</b> = 32GB MLC<br><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<br><b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro<br><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<br><b>1S</b> = DB9 Serial <b>MK</b> = Mechanical Keyboard<br><b>Mo</b> = Wired Optical Scroll Mouse                       |

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