

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

**4GB DDR4 RAM**

**128GB SSD**

**No WiFi**

**Ubuntu Linux**

SKU: H-I5\_14-4-S128-12\_5-X-U-0



## Unleash Industrial Performance: The Neo H Mini PC Redefined.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse, proudly designed and made in India with a solid steel build, offers unparalleled reliability and power for demanding applications like industrial control. It's our largest product, engineered for superior CPU and RAM configurations.

### Experience Unrivaled Power

- Powered by an Intel® Core™ 5 120U processor with 10 cores, bursting up to 5.0 GHz and featuring a 12 MB cache, for lightning-fast processing.
- Seamlessly handle intensive tasks with 32GB DDR4 RAM.
- Enjoy blazing-fast boot times and ample storage with a 1TB SSD.

### Robust Connectivity & Reliability

- Connect multiple displays with 2 HDMI and 1 VGA output.

- Ensure stable, high-speed networking with 1000 Mbps Ethernet (no WiFi for enhanced security and reliability in industrial settings).
- Versatile peripheral support via 2 USB 3.0 and 2 USB 2.0 ports.
- Features speaker out and mic in ports for comprehensive audio needs.
- Runs on a secure and stable Ubuntu Linux 24.04 LTS operating system.
- Operates reliably on a wide power input of 100~275 Volts AC, delivered via a robust 12V 7A adapter with a 2-metre cable.

### Engineered for Extremes

- Housed in a durable, powder-coated black steel chassis (210mm x 202mm x 80mm).
- Built to perform in challenging environments, from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO for quality and compliance.

The Neo H Mini PC is your definitive solution for industrial-grade computing.



# 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 |

### NETWORKING

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|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### 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<br><b>64</b> = 64GB DDR4  | <b>8</b> = 8GB DDR4 | <b>16</b> = 16GB DDR4<br><b>32</b> = 32GB DDR4   |
| <b>SSD</b>  | <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 |
| <b>Wireless</b>   | <b>m</b> = Dual Band WiFi   |                     | <b>X</b> = No WiFi   |
| <b>OS</b>   | <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         |
| <b>Accessories</b>  | <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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