



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 8GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Thinux Embedded Linux

SKU: H-I5\_14-8-S256-12\_5-M-THINUX-0



Unleash Industrial Power in a Compact Form.

### Introducing the Thinvent® Neo H Mini PC

The High Performance evolution of our bestselling Neo series, this is our largest, most robust offering, engineered as an industrial workhorse for the most demanding applications. Proudly 100% designed and made in India, it embodies our commitment to quality and innovation.

### Unmatched Performance

At its core, an Intel® Core™ 5 120U processor with 10 cores, bursting up to 5.0 GHz and backed by 12 MB cache, ensures blazing-fast processing. Paired with 16GB DDR4 RAM and a rapid 128GB SSD, the Neo H delivers unparalleled responsiveness and efficiency for critical tasks, making it ideal for industrial control and similar applications.

### Robust Connectivity and Durability

Experience seamless integration with dual HDMI and VGA ports, multiple USB 3.0 and 2.0 connections, and gigabit Ethernet for wired reliability. Dual-band Wi-Fi 5 (802.11ac) ensures versatile wireless networking. Housed in a solid, black powder-coated steel chassis, this unit is built to withstand rigorous industrial environments (0°C to 40°C operating temperature), guaranteeing longevity and reliability.

### Powerful Thinux™ OS

Empower your operations with Thinvent® Thinux™ Embedded Linux. This optimized OS features essential tools like Chromium and Mozilla Firefox, advanced remote access via RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing for seamless control. Benefit from Java, Python, and glibc based application support, LibreOffice, a PDF viewer, and multimedia playback with MPEG4. Integrated SIP video and voice over IP capabilities, alongside browser-based remote management, provide comprehensive functionality.

### Certifications

- BIS
- RoHS
- ISO

# 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     | 8 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 | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

## 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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