



# Thinvent Neo H Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 32GB DDR4 RAM (2 x 16GB)

## 1TB SSD

## Dual Band WiFi

## Thinux Embedded Linux

## Thinvent Keyboard and Mouse set

SKU: H-I5\_12-16\_16-M1024-12\_7-M-THINUX-KM



## Unleash Industrial Power in a Compact Form Factor

Introducing the Reinvented Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered for demanding industrial applications, this is our largest and most powerful mini PC yet, designed to be an absolute workhorse.

### Performance Unleashed

Experience unparalleled speed and responsiveness with the Intel® Core™ i5-1250P processor, boasting 12 cores that reach up to 4.4 GHz, all supported by a substantial 12 MB cache. Multitasking and demanding applications are handled with ease thanks to 8GB of DDR4 RAM and a lightning-fast 512GB SSD, ensuring quick boot times and rapid data access.

### Robust Connectivity

This mini PC is a connectivity powerhouse, featuring HDMI and VGA outputs for versatile display options, multiple USB 3.2 and USB 2.0 ports for all your peripherals, and a high-speed 1000 Mbps Ethernet port. Stay connected wirelessly with dual-band Wi-Fi (802.11ac).

### Built for Durability

Crafted with a solid steel housing and finished with a sleek black powder coating, the Neo H Mini PC is built to withstand the rigors of industrial environments. Its compact dimensions (210mm x 202mm x 80mm) make it ideal for space-constrained settings.

### Intelligent Embedded Linux

Powered by Thinux™ Embedded Linux, this PC offers a secure and efficient operating system preloaded with essential tools. Benefit from Chromium and Mozilla Firefox browsers, robust remote display options including RDP 10, Putty, and SSH, and browser-based remote management. It also supports Java, Python, LibreOffice, multimedia playback, and SIP for video and voice over IP communication.

### Included Accessories

This comprehensive package includes a 12V 7A adapter, a 2-meter power cable, and a Thinvent® Keyboard and Mouse set, so you can get started right away.

### Proudly Designed and Made in India

This industrial workhorse is 100% designed and made in India, adhering to BIS, RoHS, and ISO certifications.

### Key Specifications

- CPU: Intel® Core™ i5-1250P processor (12 Core, up to 4.4 GHz, 12 MB Cache)
- RAM: 8GB DDR4
- Storage: 512GB SSD
- Connectivity: HDMI, VGA, Speaker Out, Mic In, 2x USB 3.2, 2x USB 2.0, 1000 Mbps Ethernet, Dual Band Wi-Fi
- Operating System: Thinvent® Thinux™ Embedded Linux
- Power: 12V 7A Adapter (100~275 Volts AC Input)
- Dimensions: 210mm x 202mm x 80mm
- Build: Solid Steel, Black Powder Coating





# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 1024 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|         |   |
|---------|---|
| USB 3.2 | 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   | 7 Amps                                       |
| Power Input  | 100~275 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 | 2.34kg, 2.76kg        |

### ACCESSORIES

|                    |   |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

### 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\_12-[RAM]-[SSD]-12\_10-[Wireless]-[OS]-[Accessories]**

#### RAM

**4** = 4GB DDR4

**8** = 8GB DDR4

**16** = 16GB DDR4

**32** = 32GB DDR4

**32\_32** = 64GB  
DDR4 RAM (2 x  
32GB)

**16\_16** = 32GB  
DDR4 RAM (2 x  
16GB)

**8\_8** = 16GB DDR4  
RAM (2 x 8GB)

#### SSD

**m128** = 128GB

**m512** = 512GB

**S32** = 32GB MLC

**S256** = 256GB

**m256** = 256GB

**m1024** = 1TB

**S128** = 128GB

#### Wireless

**m** = Dual Band WiFi

**X** = No WiFi

#### OS

**DOS** = DOS

**11V** = Windows 11 IoT Value

**Thinux** = Thinux™ Embedded Linux

**W\_OS** = Without OS

**11P** = Windows 11 Pro

**U** = Ubuntu Linux

#### Accessories

**0** = None

**1S** = DB9 Serial

**Mo** = Wired Optical Scroll Mouse

**KM** = Keyboard and Mouse set

**MK** = Mechanical Keyboard

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