



# 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)

32GB MLC SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I5\_12-16\_16-S32-12\_5-M-U-0



Unleash Industrial Power: The Neo H Mini PC – Robust, Rapid, Reliable.

The Thinvent® Neo H Mini PC elevates our bestselling Neo line to new heights. As our premier high-performance offering, this robust, 100% Designed & Made in India solution is an industrial workhorse, crafted from solid steel to thrive in demanding environments. Our largest product in the Neo range, it combines powerful CPU and RAM configurations with a host of connectivity options.

### Unmatched Performance

- Experience blazing speed and exceptional multitasking with the Intel® Core™ i5-1250P processor, boasting 12 cores and up to 4.4 GHz turbo frequency.
- A generous 12 MB cache ensures rapid data handling.
- 4GB DDR4 RAM guarantees smooth operation across applications.
- A swift 128GB SSD provides instant boot-ups and rapid data access.

### Versatile Connectivity

- Dual video outputs (1x HDMI, 1x VGA) support flexible display setups.
- Four USB ports (2x USB 3.2, 2x USB 2.0) accommodate diverse peripherals.
- Gigabit Ethernet (1000 Mbps) ensures steadfast wired networking.

- Dual-band Wi-Fi 5 (802.11ac) offers seamless wireless connections.
- Dedicated speaker out and mic in ports cover all audio needs.

### Built for Endurance

- Its durable black powder-coated steel housing (210mm × 202mm × 80mm) is engineered for longevity.
- Stable and reliable power is delivered by the 12V 7A adapter with a 2-metre cable, accepting wide AC input (100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum).
- Operates flawlessly from 0°C ~ 40°C with 20% ~ 80% RH non-condensing humidity.
- Holds crucial BIS, RoHS, and ISO certifications, ensuring quality and safety.

### Operating System

- Powered by the stable and secure Ubuntu Linux 24.04 LTS, providing a powerful open-source foundation for your critical applications.

Ideal for industrial control and similar applications, the Neo H delivers unparalleled performance and reliability in a compact, locally-made package.





# 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     | 32 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   | 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 | 1.73kg, 2.14kg        |

### OPERATING SYSTEM

|                  |                        |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## 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

Thinix = Thinix™ 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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