



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

**64GB DDR4 RAM (2 x 32GB)**

**512GB SSD**

**Dual Band WiFi**

**Without OS**

SKU: H-I3\_13-32\_32-M512-12\_7-M-W\_OS-0



**Unleash Unrivalled Performance: The Industrial Powerhouse in a Compact Form.**

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo line. This robust system, 100% designed and made in India, is engineered as an industrial workhorse, perfect for demanding industrial control and similar applications, all within a solid steel chassis.

### Performance Beyond Size

- Experience blistering speed with the Intel® Core™ i3-1315U processor, featuring 6 cores, up to 4.5 GHz max frequency, and a generous 10 MB cache for seamless multitasking and rapid data processing.
- Paired with 8GB DDR4 RAM and a lightning-fast 512GB SSD, boot times are instantaneous and applications run effortlessly.

### Comprehensive Connectivity and Durability

**Despite its compact dimensions of 210mm × 202mm × 80mm, the Neo H offers a host of connectivity options**

- Expand your workspace with 1 HDMI and 1 VGA port for versatile dual display support.

- Connect essential peripherals using 2 high-speed USB 3.2 and 2 USB 2.0 ports.
- Enjoy reliable wired networking through 1000 Mbps Ethernet, or flexible wireless access with dual-band Wi-Fi 5 (802.11ac).
- Audio needs are covered with dedicated Speaker Out and Mic In ports.
- Encased in a durable, powder-coated black steel housing, this Mini PC is engineered for longevity, operating reliably from 0°C to 40°C with 20% to 80% RH humidity (non-condensing).
- Powered by a robust 12V 7A adapter with a 2-metre cable, and compliant with BIS, RoHS, and ISO certifications, it guarantees performance and safety.

### Operating System Flexibility

- This unit comes without an operating system, offering you the freedom to install your preferred OS and customize your setup precisely to your needs.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1315U   |
| Cores           | 6       |
| Max Frequency   | 4.5 GHz |
| Cache           | 10 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 512 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 | 1.72kg, 2.14kg        |

### OPERATING SYSTEM

|                  |            |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

## Ordering Information

## PRODUCT CODE

H-i3\_13-[RAM]-[SSD]-12\_7-[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[www.thinvent.in](http://www.thinvent.in)[sales@thinvent.in](mailto:sales@thinvent.in)

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