



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## Dual LAN

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

## 2TB SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: H-I3\_12L-16\_16-M2048-12\_7-M-U-0



## Unleash Industrial Strength in a Compact Powerhouse

Meet the Thinvent Neo H Mini PC, where robust performance meets unwavering reliability for the most demanding environments. This is the high-performance evolution of our bestselling Neo, built to be your ultimate industrial workhorse.

### Built for the Real World

- Engineered with a solid steel chassis for exceptional durability in challenging conditions.
- 100% designed and made in India, supporting local innovation and craftsmanship.
- Offers a host of connectivity options to seamlessly integrate with existing industrial systems and peripherals.

### Your Command Centre for Critical Tasks

Ideal for industrial control, digital signage, and automation, the Neo H delivers the dependable power needed to keep your operations running smoothly. Its capable processing handles multiple applications with ease, ensuring responsive performance for monitoring, data acquisition, and process management.

### Simplify and Strengthen Your Setup

- Experience reliable, day-in-day-out operation with a trusted, open-source Ubuntu Linux platform.
- Benefit from dual LAN ports for network redundancy or connecting to separate networks, enhancing system stability.
- Its compact, rugged form factor saves valuable space while standing up to the rigours of industrial use.

Choose the Thinvent Neo H Mini PC for a powerful, locally-crafted computing solution that won't let you down.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 2048 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|              |   |
|--------------|---|
| USB 3.2      | 2 |
| RS485 Option | 1 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Ethernet Ports      | 2                             |
| 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 | 1.79kg, 2.21kg        |

### OPERATING SYSTEM

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

## Ordering Information

### PRODUCT CODE

**H-i3\_12l-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                         |                                         |                                      |                       |
|-------------|-----------------------------------------|-----------------------------------------|--------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                     | <b>8</b> = 8GB DDR4                     | <b>16</b> = 16GB DDR4                | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                     | <b>m256</b> = 256GB                     | <b>m1024</b> = 1TB                   |                       |
|             | <b>m512</b> = 512GB                     | <b>S32</b> = 32GB MLC                   | <b>S256</b> = 256GB                  |                       |
| Wireless    | <b>m</b> = Dual Band WiFi               | <b>X</b> = No WiFi                      |                                      |                       |
|             |                                         |                                         |                                      |                       |
| OS          | <b>DOS</b> = DOS                        | <b>W_OS</b> = Without OS                |                                      |                       |
|             | <b>11V</b> = Windows 11 IoT Value       | <b>11P</b> = Windows 11 Pro             |                                      |                       |
|             | <b>110</b> = Windows 11 Professional    | <b>Thinix</b> = Thinix™ Embedded Linux  |                                      |                       |
|             | <b>U</b> = Ubuntu Linux                 |                                         |                                      |                       |
| Accessories | <b>0</b> = None                         | <b>KM</b> = Keyboard and Mouse set      |                                      |                       |
|             | <b>1S</b> = DB9 Serial                  | <b>MK</b> = Mechanical Keyboard         |                                      |                       |
|             | <b>Mo</b> = Wired Optical Scroll Mouse  |                                         |                                      |                       |

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