



## Thinvent Neo H Mini PC

### Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

### 16GB DDR4 RAM

### 256GB SSD

### Dual Band WiFi

### Ubuntu Linux

### Thinvent Keyboard and Mouse set

SKU: H-I3\_12-16-S256-12\_5-M-U-KM



Thinvent® Neo H Mini PC: Unleash Industrial Power in a Compact Design.

Experience the pinnacle of performance and reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Engineered as an industrial workhorse, this powerhouse is meticulously designed and made in India, boasting a robust steel construction for unparalleled durability.

#### Key Features and Benefits

- Uncompromising Processing Power: Featuring the Intel® Core™ i3-1215U processor with 6 cores, a blazing 4.4 GHz max frequency, and 10 MB cache, tackle demanding industrial control tasks with effortless speed.
- Expansive Memory and Storage: Immerse yourself in seamless multitasking with 32GB of DDR4 RAM, complemented by a swift 128GB SSD for rapid boot times and data access.

- Versatile Connectivity: Connect all your essential peripherals and displays with 1 HDMI, 1 VGA, 2 USB 3.2, and 2 USB 2.0 ports. Enjoy stable wired networking with a 1000 Mbps Ethernet port and reliable wireless connectivity via Dual Band Wi-Fi.
- Robust Power and Cooling: Powered by a 12V 7A adapter with a wide AC input range, and built to perform in temperatures from 0°C to 40°C, ensuring consistent operation.
- Ready for Work: Comes pre-loaded with Ubuntu Linux 24.04 LTS, offering a stable and flexible operating system for your industrial needs. The included Thinvent® Keyboard and Mouse set makes setup a breeze.
- Built to Last: The solid steel housing with a durable black powder coating ensures longevity in challenging environments.

Ideal for industrial control, automation, and other demanding applications.

Dimensions: 210mm × 202mm × 80mm.

Certifications: BIS, RoHS, ISO.

# 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     | 16 GB   |
| SSD Storage     | 256 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|              |   |
|--------------|---|
| USB 3.2      | 2 |
| USB 2.0      | 2 |
| RS485 Option | 1 |

### 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 | 2.21kg, 2.63kg        |

### ACCESSORIES

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

### OPERATING SYSTEM

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

## Ordering Information

## PRODUCT CODE

H-i3\_12-[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

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