



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 32GB DDR4 RAM

## 32GB MLC SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: H-I3\_12-32-S32-12\_5-M-U-0



Thinvent® Neo H Mini PC: Unleash Industrial Power.

Experience the High Performance evolution of our bestselling Neo model. The Thinvent® Neo H Mini PC is an industrial workhorse, 100% designed and made in India, featuring a robust, solid steel build. It's our largest product, engineered for demanding environments.

### Core Performance

Powered by the Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and supported by a 10 MB cache, the Neo H delivers exceptional processing power for complex industrial control and similar applications.

### Memory and Storage

- Massive 64GB DDR4 RAM for superior multitasking
- Blazing-fast 1TB SSD for rapid data access and ample storage

### Connectivity Options

#### Stay connected with a comprehensive suite of ports

- 2x USB 3.2 ports and 2x USB 2.0 ports for versatile peripheral connections

- HDMI and VGA for flexible dual display configurations
- Speaker Out and Mic In for complete audio management
- Gigabit Ethernet (1000 Mbps) for ultra-reliable wired networking
- Dual Band Wi-Fi 5 (802.11ac) for high-speed wireless flexibility

### Built for Durability

The sleek black, powder-coated steel housing ensures long-term reliability.

- Dimensions: 210mm × 202mm × 80mm
- Wide operating temperature: 0°C ~ 40°C
- Operating humidity: 20% ~ 80% RH, non-condensing
- Certified: BIS, RoHS, ISO

### Power Supply

Equipped with a robust 12V 7A adapter (100~275V AC, 50~60Hz input) and a 2-metre cable, providing stable, continuous power.

### Operating System

- Ubuntu Linux 24.04 LTS

# 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     | 32 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 | 1.69kg, 2.11kg        |

### 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

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

[www.thinvent.in](http://www.thinvent.in)[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

## R&amp;D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

## Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

