



# 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)**

**128GB SSD**

**Dual Band WiFi**

**Ubuntu Linux**

**DB9 Serial**

SKU: H-I3\_13-32\_32-M128-12\_7-M-U-1S



**Unleash Unrivalled Performance: The Industrial Powerhouse, Made in India.**

Introducing the Thinvent® Neo H Mini PC – the high-performance evolution of our bestselling Neo series. This isn't just our largest model; it's a robust industrial workhorse, meticulously designed and 100% made in India to deliver uncompromising power and versatility for demanding applications like industrial control. Built with a solid, powder-coated steel housing in sleek black, the Neo H is engineered for endurance.

### Processing Prowess

Experience next-level computing with the Intel® Core™ i3-1315U processor, featuring 6 cores and a blistering 4.5 GHz max frequency. With a massive 64GB DDR4 RAM and a lightning-fast 512GB SSD, the Neo H effortlessly handles intensive tasks, complex data processing, and seamless multitasking.

### Unmatched Connectivity and Control

**Engineered for integration, the Neo H offers a comprehensive host of connectivity options**

- Essential display outputs: 1 HDMI, 1 VGA
- High-speed data: 2 USB 3.2, 2 USB 2.0
- Critical legacy support: 1 DB9 male RS232 serial port
- Robust networking: 1000 Mbps Ethernet, Dual Band Wi-Fi 5 (802.11ac)
- Audio flexibility: Speaker Out, Mic In

### Built for Reliability

Measuring 210mm × 202mm × 80mm, this Mini PC is compact yet incredibly durable. It operates reliably from 0°C to 40°C and 20% to 80% non-condensing humidity. Powered by Ubuntu Linux 24.04 LTS, it offers a secure and stable platform. Certified with BIS, RoHS, and ISO, the Neo H guarantees quality and compliance, making it the ideal choice for mission-critical environments.

# 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     | 128 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|             |                  |
|-------------|------------------|
| USB 3.2     | 2                |
| USB 2.0     | 2                |
| Serial Port | 1 DB9 male RS232 |

### 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## 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

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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