



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

## DB9 Serial

SKU: H-I3\_13-32-M128-12\_5-M-11V-1S



## Unleash Industrial Power: The Neo H Mini PC.

Experience the pinnacle of robust performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo line. Engineered as an industrial workhorse, this made-in-India solution delivers unparalleled reliability and power for the most demanding applications, from industrial control to advanced automation. This is our largest product with powerful CPU and RAM configurations, designed to be an industrial workhorse with a host of connectivity options.

### Unmatched Processing Power

- At its core, an Intel® Core™ i3-1315U processor boasts 6 cores with speeds up to 4.5 GHz and a 10 MB cache, ensuring lightning-fast multi-tasking and efficient data processing.
- Coupled with 8GB DDR4 RAM, it effortlessly handles complex operations.
- The 32GB MLC SSD provides robust, high-endurance storage optimized for critical embedded systems.
- Running Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it offers long-term stability and security essential for industrial environments.

### Versatile Connectivity

- A comprehensive suite of ports includes 1 HDMI and 1 VGA for dual display options.
- 2 USB 3.2 and 2 USB 2.0 ports offer ample peripheral connectivity.
- A dedicated DB9 male RS232 serial port is perfect for legacy and specialized industrial equipment.
- Stay connected with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Audio needs are met with a speaker out and mic in.

### Built for Endurance

- Housed in solid, powder-coated black steel (210mm x 202mm x 80mm), the Neo H is built to withstand rigorous environments.
- Operates reliably in temperatures from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Powered by a resilient 12V 7A adapter with wide 100~275V AC input.
- Certified with BIS, RoHS, and ISO, ensuring quality and compliance.

The Thinvent Neo H Mini PC is your ultimate partner for critical industrial applications, combining powerful components, extensive connectivity, and enduring construction, all proudly designed and made in India.

# 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     | 32 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   | 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 | 1.62kg, 2.04kg        |

### OPERATING SYSTEM

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## 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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