



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 256GB SSD

## No WiFi

## Windows 11 IoT Value

SKU: H-I3\_13-32-S256-12\_5-X-11V-0



The Neo H: Unyielding Industrial Performance, Engineered in India.

Experience the pinnacle of industrial computing with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. As our largest and most robust offering, this industrial workhorse is engineered to dominate demanding applications, proudly 100% designed and made in India, featuring a solid steel build.

### Unrivalled Power & Speed

- At its core, an Intel® Core™ i3-1315U processor with 6 cores, clocking up to 4.5 GHz and featuring a 10 MB cache, delivers exceptional processing power.
- Tackle intensive tasks and run multiple applications simultaneously with a massive 32GB DDR4 RAM.
- Enjoy lightning-fast boot times and rapid data access from the 256GB SSD storage.

### Robust Connectivity & Durability

- Connect effortlessly with a host of options including 2x USB 3.2, 2x USB 2.0, 1x HDMI, 1x VGA, 1x Speaker Out, 1x Mic In, and a reliable 1000 Mbps Ethernet port for secure wired networking (No WiFi).
- Housed in a solid steel enclosure with a resilient black powder coating, the Neo H is built to endure, measuring a compact 210mm × 202mm × 80mm.
- Designed for challenging environments, it operates reliably from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Power it securely with the included 12V 7A adapter, 2 Metre cable, and a wide 100~275V AC input range.

### Optimized for Industry

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, ensuring a stable, secure, and dedicated platform for industrial control and similar applications.
- BIS, RoHS, and ISO certifications guarantee quality and compliance.



# 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     | 256 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|         |   |
|---------|---|
| USB 3.2 | 2 |
| USB 2.0 | 2 |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### 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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