



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

**32GB DDR4 RAM (2 x 16GB)**

**256GB SSD**

**No WiFi**

**Without OS**

**DB9 Serial**

SKU: H-I3\_13-16\_16-M256-12\_7-X-W\_OS-1S



**Unleash Unrivalled Power and Reliability for Industrial Domination.**

The Thinvent® Neo H Mini PC redefines industrial computing, emerging as the high-performance evolution of our bestselling Neo series. This is our largest, most robust offering, engineered 100% in India with a solid steel chassis and powder-coated black finish to endure the harshest environments. It's the ultimate industrial workhorse, delivering uncompromising power and a host of connectivity options where it matters most.

### Performance That Drives Industry

- Experience raw processing might with the Intel® Core™ i3-1315U processor, featuring 6 cores and a blistering 4.5 GHz turbo frequency, backed by 10 MB of cache.
- Command complex tasks effortlessly with a colossal 64GB DDR4 RAM, ensuring seamless multitasking and rapid data processing.
- Achieve lightning-fast boot-ups and application loading with the integrated 128GB SSD.

### Unmatched Connectivity & Control

- Critical for industrial control, a dedicated DB9 male RS232 serial port ensures reliable legacy system integration.
- Benefit from stable, high-speed networking with 1000 Mbps wired Ethernet. No WiFi ensures maximum network security and reliability in sensitive applications.

- Versatile display options include 1 HDMI and 1 VGA port.
- Expand your setup with 2 USB 3.2 and 2 USB 2.0 ports.
- Standard audio connectivity with mic-in and speaker-out ports.

### Engineered for Extremes

- Designed to operate flawlessly from 0°C to 40°C and 20% to 80% non-condensing humidity.
- A wide-range 100~275V AC power input with a robust 12V 7A adapter (2 Metre cable) ensures stable power delivery for critical applications.
- Certified with BIS, RoHS, and ISO for guaranteed quality and compliance.
- Delivered without an operating system, offering you complete flexibility to deploy your preferred industrial OS or specialized software.

### Dimensions

- 210mm × 202mm × 80mm

This robust Mini PC is specifically suited for industrial control and demanding edge computing applications where reliability, performance, and a comprehensive set of connectivity options are paramount.





# 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                |
| Serial Port | 1 DB9 male RS232 |

### NETWORKING

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

### 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 | Without OS |
|------------------|------------|

## 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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