



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## DOS

## Thinvent Keyboard and Mouse set

SKU: H-I3\_12-16-S256-12\_5-M-DOS-KM



## Unleash Industrial Power: The Thinvent® Neo H Mini PC

Experience unparalleled performance and rugged reliability with the Thinvent® Neo H Mini PC, the High Performance version of our bestselling Neo model. This industrial workhorse is engineered for demanding applications, boasting a formidable Intel® Core™ i3-1215U processor with 6 cores and a turbo frequency of up to 4.4 GHz. Paired with a massive 64GB of DDR4 RAM, multitasking and heavy workloads become effortless.

### Connectivity Hub

- Ample ports for all your needs: 1 HDMI, 1 VGA, 1 Speaker Out, 1 Mic In, 2 USB 3.2, 2 USB 2.0, and a high-speed 1000 Mbps Ethernet port.
- Seamless wireless integration with Dual Band Wi-Fi 5 (802.11ac).

### Built for the Toughest Environments

- Robust steel housing with a durable black power coating ensures longevity.
- Operates reliably between 0°C and 40°C with non-condensing humidity support.
- Compact dimensions (210mm × 202mm × 80mm) make it ideal for space-constrained industrial settings.

### Complete Package

- Includes a Thinvent® Keyboard and Mouse set for immediate productivity.
- Comes pre-loaded with FreeDOS for maximum flexibility.
- Powered by a 12V 7A adapter (100~275V AC input).
- Certified to BIS, RoHS, and ISO standards.
- Proudly 100% designed and made in India.

# 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     | 16 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 |
| 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 | 2.21kg, 2.63kg        |

### ACCESSORIES

|                    |   |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

### OPERATING SYSTEM

|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## 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

Thinux = Thinux™ 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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