



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

2TB SSD

Dual Band WiFi

DOS

SKU: H-I3\_12-16\_16-M2048-12\_7-M-DOS-0



Unleash Unrivalled Performance: The Industrial Powerhouse, Made for India.

Experience the pinnacle of industrial computing with the Thinvent® Neo H Mini PC. As the high-performance evolution of our bestselling Neo model and our largest product yet, featuring powerful CPU and RAM configurations, this robust system is engineered for demanding applications, embodying power, reliability, and precision. 100% designed and made in India, the Neo H is built to perform.

### Performance Powerhouse

Driven by an Intel® Core™ i3-1215U processor with 6 cores and a max frequency of 4.4 GHz, complemented by a substantial 10 MB cache, the Neo H delivers exceptional processing power.

- Six core CPU for superior multi-tasking and demanding workloads
- Blazing fast 4.4 GHz max frequency for rapid execution
- 16GB DDR4 RAM ensures seamless operation even with heavy applications
- Ultra-responsive 32GB MLC SSD for quick boot times and data access

### Industrial Strength & Connectivity

The Neo H features a solid steel housing with a durable black powder coating, engineered for resilience in challenging environments.

- Robust steel construction for maximum durability
- Wide operating temperature (0°C ~ 40°C) and humidity range (20% ~ 80% RH, non condensing)
- Certified with BIS, RoHS, and ISO standards for quality and safety
- Compact dimensions (210mm × 202mm × 80mm) for versatile deployment

### Connectivity Options

Equipped with a comprehensive suite of ports, this industrial workhorse offers unparalleled versatility for your applications, from industrial control to data acquisition.

- Visual Outputs: 1 HDMI, 1 VGA
- Audio Interface: 1 Speaker Out, 1 Mic In
- High-Speed USB: 2 USB 3.2, 2 USB 2.0
- Network Connectivity: Gigabit Ethernet (1000 Mbps), Dual Band Wi-Fi 5 (802.11ac)
- Flexible Power: 12V 7A DC adapter with wide 100~275V AC input

### Operating System

- Pre-installed with FreeDOS for ultimate flexibility and customization.

# 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     | 32 GB   |
| SSD Storage     | 2048 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   | 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 | 1.79kg, 2.21kg        |

### 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

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W\_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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