



# Thinvent Neo H Mini PC

## Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

## 8GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: H-I5\_12H-8-M512-12\_7-M-U-0



## Power meets resilience: the Thinvent Neo H Mini PC

### Industrial grade performance

- Tackle demanding control systems and automation tasks with the robust processing power of a 12th generation Intel Core i5 processor.
- Whether running complex SCADA software or managing multiple data streams, this mini PC handles industrial workloads without breaking a sweat.

### Built to last

- Housed in a solid steel, powder-coated chassis, it withstands the rigours of factory floors and harsh environments.
- Designed and manufactured entirely in India, ensuring local support, quality control, and supply chain reliability.

### Connectivity without compromise

- A generous selection of ports – including HDMI, VGA, USB 3.2, and dual Ethernet – lets you connect legacy and modern equipment side by side.

- Dual-band Wi-Fi and Bluetooth keep you wirelessly linked for monitoring and updates, while the integrated speaker and mic inputs simplify integration.

### Ready for real-world use

- Pre-loaded with Ubuntu Linux 24.04 LTS, it offers a stable, secure platform for industrial applications without licensing headaches.
- Wide operating temperature range and non-condensing humidity tolerance mean it works reliably where ordinary PCs fail.

### Why choose the Neo H?

- It is the high-performance flagship of our best-selling Neo series – the largest model with the most powerful CPU and memory configurations.
- Ideal for industrial control, edge computing, and embedded systems where uptime is non-negotiable.
- Backed by BIS, RoHS, and ISO certifications for peace of mind.

When your operation demands a workhorse that refuses to quit, the Thinvent Neo H Mini PC is the smart, rugged, and Indian-made answer.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 12450H  |
| Cores           | 8       |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 8 GB    |
| SSD Storage     | 512 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                     |
| 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 | 1.82kg, 2.24kg        |

### OPERATING SYSTEM

|                  |                        |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

## PRODUCT CODE

H-i5\_12H-[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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