



# Thinvent Neo H Mini PC

## Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Windows 11 Pro

SKU: H-I5\_12H-16-M128-12\_7-M-11P-0



Power through your most demanding industrial tasks with the Thinvent Neo H Mini PC – the unrivalled workhorse built for relentless performance.

### Built from solid steel and engineered in India

- 100% designed and made in India, this Mini PC offers unmatched reliability for mission-critical environments
- The powder-coated steel housing withstands vibration, dust, and the rigours of factory floors and control rooms

### Performance that keeps your operations running

- The high-performance version of our bestselling Neo series, equipped with a powerful 12th-generation Intel Core i5 processor for smooth multitasking and real-time data processing
- Handles complex PLC programming, HMI interfaces, and edge computing with ease – no lag, no downtime

### Connectivity for the modern industrial setup

- A full suite of ports including HDMI, VGA, USB 3.2, dual Ethernet and audio jacks means you can connect legacy and modern equipment without adapters
- Dual-band WiFi and Gigabit Ethernet ensure reliable networking, whether wired or wireless

### Ready to deploy from the moment it arrives

- Comes pre-loaded with Windows 11 Pro, so you can install your software and start controlling your systems immediately
- The compact, rugged design fits neatly into tight control cabinets or on a desk without taking valuable space

Choose the Thinvent Neo H when you need a Mini PC that works as hard as you do – built to last, built for industry, built in India.

# 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     | 16 GB   |
| SSD Storage     | 128 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 | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## 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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