



# Thinvent Neo H Mini PC

## Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

## 16GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

## Thinvent Keyboard and Mouse set

SKU: H-I5\_12H-16-S256-12\_5-M-11V-KM



Powering your industrial edge with uncompromising reliability.

### Designed for the toughest jobs

- This High Performance Neo is the most powerful member of our bestselling family, built to handle demanding industrial control, automation, and monitoring tasks without breaking a sweat
- A true workhorse that thrives in factory floors, production lines, and edge computing environments where reliability isn't optional – it's essential
- Generous connectivity means you can hook up legacy VGA displays alongside modern HDMI screens, plus ample USB and gigabit Ethernet ports for sensors, controllers, and networks

### Built to last, inside and out

- Encased in a solid steel, powder-coated chassis that shrugs off vibration, dust, and the bumps of a busy workspace
- 100% designed and manufactured in India, so you get local support, quality assurance, and the confidence that comes with a product built for our conditions

- Comes ready to work with Windows 11 IoT Enterprise LTSC 2024 – a stable, long-term platform for mission-critical applications – plus a full-size keyboard and mouse to get you productive from the moment you unbox

### Why choose Thinvent Neo H

- It's the upgrade you need when standard mini PCs fall short: more processing muscle, more memory capacity, and a robust form factor that keeps running shift after shift
- Backed by certifications including BIS, RoHS, and ISO – proof of compliance with the standards that matter in industrial settings
- Ideal as a drop-in replacement for aging hardware, giving your operations a performance boost without complicating your existing setup

Give your industrial applications the power and dependability they deserve.

# 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     | 256 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   | 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 | 2.24kg, 2.66kg        |

### ACCESSORIES

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

### OPERATING SYSTEM

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## 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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