

## Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

No WiFi

DOS

SKU: H-I5\_12H-8\_8-M1024-12\_5-X-DOS-0



When reliability meets raw power – the Thinvent Neo H Mini PC is your industrial workhorse.

### Why the Neo H stands apart

- This is the high-performance flagship of our acclaimed Neo range, built for tasks that demand more from a compact system
- Powered by a robust 12th-generation Intel Core i5 processor with eight cores, it handles compute-intensive applications without breaking a sweat
- Generous connectivity – multiple USB ports, HDMI, VGA, gigabit Ethernet – means you can hook up legacy machinery and modern peripherals with ease
- Its solid steel chassis and powder-coated finish are engineered to withstand the bumps and knocks of a factory floor or control cabinet

### Benefits for your operation

- Streamline industrial control, data acquisition, or edge computing without the bulk or noise of a traditional tower
- Run multiple monitoring or automation tasks simultaneously thanks to the capable processor and expandable memory

- Eliminate downtime – the Neo H runs reliably in ambient temperatures up to 40°C and non-condensing humidity, so it keeps working when conditions get tough

### Ready for demanding environments

- Designed and manufactured entirely in India, giving you assured supply chain and local support
- The included 12V DC adapter ensures stable power delivery, while the 2-metre cable offers flexible placement
- Delivered with FreeDOS – you choose the operating system that fits your existing infrastructure, saving on licensing costs

### Choose the Neo H for peace of mind

- Its steel construction and powder-coated exterior resist corrosion and minor impacts, protecting your investment
- With certification to BIS, RoHS and ISO standards, you can trust it meets rigorous quality and safety benchmarks
- A compact and lightweight footprint – just 1.73 kg – makes installation in tight spaces or on mobile carts straightforward



# 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     | 1024 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 |
|----------|-----------|

### 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 | 1.73kg, 2.14kg        |

### OPERATING SYSTEM

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

## 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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