



# Thinvent Neo H Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

**32GB DDR4 RAM**

**32GB MLC SSD**

**No WiFi**

**DOS**

SKU: H-I5\_12-32-S32-12\_5-X-DOS-0



Thinvent® Neo H: The undisputed powerhouse for industrial precision.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This isn't just a computer; it's an industrial workhorse, engineered and manufactured 100% in India with a solid steel build to conquer the most demanding applications. Designed specifically for industrial control and similar rigorous environments, the Neo H delivers unwavering reliability and raw power where it matters most.

### Unleash Unrivalled Performance

- Powered by an Intel® Core™ i5-1250P processor featuring 12 cores and turbo frequencies up to 4.4 GHz with a 12 MB cache, the Neo H handles complex computations and multi-threaded tasks with ease.
- Experience seamless multitasking and rapid data access with a generous 16GB DDR4 RAM.
- Store critical applications and vast datasets on the lightning-fast 1TB SSD, ensuring quick boot-ups and responsive operations.

### Robust Connectivity & Durability

- Connect effortlessly with a versatile array of ports, including 2x USB 3.2, 2x USB 2.0, 1x HDMI, 1x VGA, and gigabit Ethernet for stable network communication.
- Audio needs are covered with dedicated speaker out and mic in ports.
- Its powder-coated black steel housing (210mm × 202mm × 80mm) provides exceptional protection in challenging conditions, operating reliably from 0°C to 40°C.
- Certified with BIS, RoHS, and ISO standards, the Neo H guarantees quality and compliance.

### Designed for Purpose

- The included 12V 7A adapter ensures stable power delivery (100~275V AC input).
- Pre-installed with FreeDOS, it offers a clean slate for your specialized industrial software, focusing on dedicated application deployment without bloat.
- No WiFi ensures a secure, stable, wired-only environment, crucial for many industrial settings.

Choose the Thinvent® Neo H for a powerful, reliable, and purpose-built solution that drives your industrial operations forward.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 32 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\_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

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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