



## Thinvent Neo H Mini PC

### Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

Dual Band WiFi

Windows 11 Professional

SKU: H-I7\_12D-8\_8-M1024-19\_7-M-110-0



### Power That Fits in Your Palm: The Thinvent® Neo H Mini PC

Compact enough to tuck almost anywhere, yet built for serious work, the Thinvent® Neo H brings desktop-class performance to industrial environments where space is at a premium.

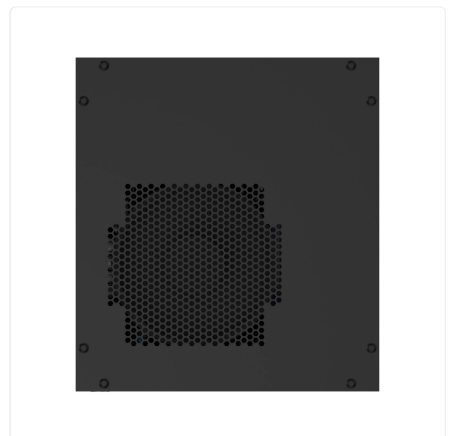
At its heart sits the Intel® Core™ i7-12700 processor, offering 12 cores to handle demanding tasks quickly and reliably. Whether you are running control software, managing data streams or multitasking across several applications, this is a machine that keeps pace with you.

Connectivity is where the Neo H truly shines. Two HDMI ports and a DisplayPort let you drive multiple screens, while two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports connect your peripherals with ease. Gigabit Ethernet and dual band Wi-Fi keep your network links dependable, and audio input and output ports make it equally at home in monitoring and communication setups.

Built for industry, the Neo H features a steel base and aluminium cover in a powder coated black finish. It is designed to look sharp on a workshop bench or in a control room, and it is 100% designed and made in India, reflecting Thinvent's commitment to local manufacturing excellence.

Running Windows 11 Professional, the Neo H is ready to deploy straight away, with the familiar tools and security features your team already relies on.

The High Performance version of our bestselling Neo model, the Neo H is the ideal choice for industrial control and similar applications where power, flexibility and reliability matter. Choose the Neo H and give your operations the workhorse they deserve.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |                |
|-----------------|----------------|
| Generation      | 12th           |
| Series          | i7             |
| Processor Brand | Intel          |
| Processor Model | 12700          |
| Cores           | 12             |
| Max Frequency   | 4.9 GHz        |
| Cache           | 25 MB          |
| Chipset         | Intel B760     |
| TPM             | TPM 2.0 header |
| Main Memory     | 16 GB          |
| SSD Storage     | 1024 GB        |

### DISPLAY

|             |   |
|-------------|---|
| HDMI        | 2 |
| DisplayPort | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|               |   |
|---------------|---|
| USB 3.2 Gen 2 | 2 |
| USB 3.2 Gen 1 | 2 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 19 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 1.5 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           | 181.5mm × 199.5mm × 72mm    |
| Packing Dimensions   | 340mm × 235mm × 105mm       |
| Housing Material     | Steel base, aluminium cover |
| Housing Finish       | Powder Coated               |
| Housing Colour       | Black                       |
| Net and Gross Weight | 0.91kg, 1.32kg              |

### OPERATING SYSTEM

|                  |                                   |
|------------------|-----------------------------------|
| Operating System | Microsoft Windows 11 Professional |
|------------------|-----------------------------------|

## Ordering Information

## PRODUCT CODE

H-i7\_12d-[RAM]-[SSD]-19\_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

m2048 = 2TB

S128 = 128GB

m128\_S128 = Dual 128GB

S128\_S32 = 128GB SSD + 32 GB MLC

m32\_S32 = 32GB SSD + 32 GB MLC

h1024 = 1TB HDD

n1024\_h1024 = 1TB NVMe SSD + 1TB HDD

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

m128\_S32 = 128GB SSD + 32 GB MLC

S128\_S128 = 128GB SSD + 128 GB MLC

S32\_S32 = 32GB MLC SSD + 32 GB MLC

n512\_h1024 = 512GB NVMe SSD + 1TB HDD

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W\_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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