



## Thinvent Neo H Mini PC

### Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

**4GB DDR4 RAM**

**512GB SSD**

**Dual Band WiFi**

**Ubuntu Linux**

SKU: H-I7\_14D-4-M512-19\_7-M-U-0



### Power Your Industrial Operations with Serious Performance

Meet the Thinvent Neo H Mini PC, the High Performance flagship of our bestselling Neo range. Built around the 14th generation Intel Core i7-14700 processor, it delivers 20 cores and boost speeds of up to 5.4 GHz, giving your demanding applications the responsiveness they need to keep pace with your business.

Designed for industrial control and similar demanding environments, the Neo H is a workhorse built to handle heavy workloads with confidence. Its generous processing power and robust configuration make it a dependable choice where performance cannot be compromised.

Connectivity is where the Neo H truly shines. You can link your equipment and displays with ease, using multiple HDMI and DisplayPort outputs, fast USB 3.2 ports and a Gigabit Ethernet connection. Dual band Wi-Fi keeps you connected across your site, while dedicated audio and microphone ports support voice and multimedia tasks.

Ready for your existing workflows, the Neo H ships with Ubuntu Linux 24.04 LTS, a stable and trusted platform for industrial and technical environments.

Thoughtfully made, the Neo H is 100% designed and manufactured in India. Its steel base and aluminium cover, finished in durable black powder coating, combine a compact footprint with a solid, professional appearance that suits both the workshop and the control room.

Choose the Thinvent Neo H Mini PC and give your operations the performance and connectivity they deserve.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |                |
|-----------------|----------------|
| Generation      | 14th           |
| Series          | i7             |
| Processor Brand | Intel          |
| Processor Model | 14700          |
| Cores           | 20             |
| Max Frequency   | 5.4 GHz        |
| Cache           | 33 MB          |
| Chipset         | Intel B760     |
| TPM             | TPM 2.0 header |
| Main Memory     | 4 GB           |
| SSD Storage     | 512 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

## PRODUCT CODE

H-i7\_14d-[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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