



## Thinvent Neo H Mini PC

### Intel Core i5-14400 processor

10 core, up to 4.7 GHz, 20 MB cache

### 32GB DDR4 RAM

### 1TB SSD

### Dual Band WiFi

### Windows 11 Pro

### DB9 Serial

SKU: H-I5\_14D-32-M1024-19\_7-M-11P-1S



### Power That Lives Where Industry Works

The Thinvent® Neo H Mini PC brings desktop-class performance to the factory floor, the control cabinet and every demanding workspace in between. Built around the 14th-generation Intel® Core™ i5-14400 processor, with 10 cores and speeds of up to 4.7 GHz, it handles control software, data logging and multitasking with quiet confidence.

Designed as the high performance version of our bestselling Neo range, it is our largest and most capable model, pairing a powerful processor with generous memory and a 128GB SSD, running Microsoft Windows 11 Pro straight out of the box.

#### Connectivity is where the Neo H truly earns its place in industrial settings

- Two HDMI and one DisplayPort outputs for driving multiple screens
- Four USB 3.2 ports for fast peripheral and data transfer
- Gigabit Ethernet for reliable wired networking

- Dual band Wi-Fi 5 for flexible wireless connection
- A DB9 RS232 serial port for connecting legacy and industrial equipment
- Audio and microphone connections for operator interfaces and voice-enabled systems

The robust steel base and aluminium cover, finished in durable powder-coated black, give the Neo H a professional look and a solid build that suits busy industrial environments. The compact mini PC form factor saves valuable space while delivering serious capability.

Ideal for industrial control, automation, machine monitoring, HMI and kiosk deployments, and any application where dependable performance matters, the Neo H is a smart investment in productivity.

Proudly 100% designed and made in India, the Thinvent® Neo H is ready to power the work that keeps your business moving.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |                |
|-----------------|----------------|
| Generation      | 14th           |
| Series          | i5             |
| Processor Brand | Intel          |
| Processor Model | 14400          |
| Cores           | 10             |
| Max Frequency   | 4.7 GHz        |
| Cache           | 20 MB          |
| Chipset         | Intel B760     |
| TPM             | TPM 2.0 header |
| Main Memory     | 32 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                |
| Serial Port   | 1 DB9 male RS232 |

### 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 Pro |
|------------------|--------------------------|

## Ordering Information

### PRODUCT CODE

**H-i5\_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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