



## Thinvent Neo H Mini PC

### Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

### 4GB DDR4 RAM

### 1TB SSD

### Dual Band WiFi

### Thinux Embedded Linux

### DB9 Serial

SKU: H-I7\_14D-4-M1024-19\_7-M-THINUX-1S



### Power Meets Precision: The Mini PC Built for Demanding Industrial Work

Meet the Thinvent® Neo H Mini PC, the High Performance flagship of our bestselling Neo range. Built around the Intel® Core™ i7-14700 processor, it brings serious computing muscle to the factory floor, control room or any environment where reliability cannot be compromised.

Designed and made in India, the Neo H pairs a steel base with an aluminium cover finished in durable black powder coating. It is built to look at home in demanding settings and to keep its composure as the work piles up.

#### Why teams choose the Neo H

- Exceptional processing power for demanding industrial control and similar applications
- Quick to respond, so operators spend less time waiting and more time getting work done

- Room for connectivity, with multiple HDMI and DisplayPort outputs, USB 3.2 ports and a DB9 serial port for legacy and modern equipment alike
- Dual band Wi-Fi and gigabit Ethernet keep your systems connected
- Thinux™ Embedded Linux ships ready to work, with browser based remote management, VNC shadowing, RDP and SSH access, and support for Java, Python and glibc based applications

Whether you are running control software, managing remote systems or handling everyday office and multimedia tasks, the Neo H delivers the performance and versatility your operation demands.

Choose the Thinvent® Neo H Mini PC and give your industrial setup a workhorse that keeps pace with you.



# 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     | 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 | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

## 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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