



## Thinvent Neo H Mini PC

### Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

8GB DDR4 RAM

512GB SSD

No WiFi

DOS

SKU: H-I7\_12D-8-M512-19\_7-X-DOS-0



### Power Meets Precision: The Thinvent Neo H Mini PC

Built for demanding industrial work, the Thinvent® Neo H Mini PC brings high-performance computing into a compact, robust package. Ideal for industrial control and similar applications, it's the flagship of the bestselling Neo family, designed for those who need more from every square centimetre of their workspace.

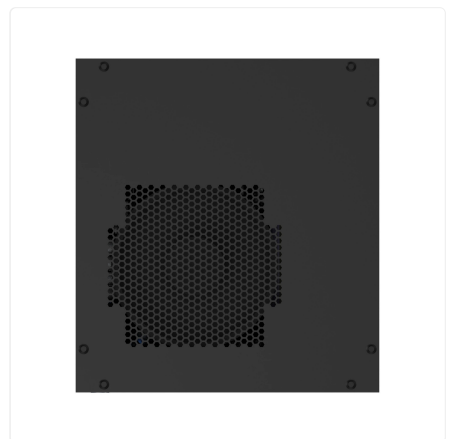
At its heart sits the Intel® Core™ i7-12700 processor, with 12 cores and speeds of up to 4.9 GHz. Tasks that would slow lesser machines are handled with quick, responsive ease, letting your operations keep pace with your ambitions.

Connectivity is comprehensive. With two HDMI ports, a DisplayPort, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports, plus gigabit Ethernet, the Neo H connects easily to the peripherals, displays and networks your work depends on.

Its housing is designed to look as good as it performs. A steel base and aluminium cover, finished in durable powder-coated black, give it a sleek, professional presence that suits both the factory floor and the front office.

Proudly 100% designed and made in India, the Neo H Mini PC is a homegrown answer to global industrial demands, backed by a product line trusted for its reliability.

Choose the Thinvent Neo H Mini PC and give your industrial applications the processing power 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     | 8 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 |
|----------|-----------|

### 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 | FreeDOS |
|------------------|---------|

## 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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