



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 4GB DDR4 RAM

## 2TB SSD

## Dual Band WiFi

## DOS

SKU: H-I5\_14-4-M2048-12\_7-M-DOS-0



Unleash Mighty Performance in a Mini Footprint.

The Thinvent® Neo H Mini PC redefines compact computing, delivering a powerhouse of performance in an incredibly small form factor. Designed for those who demand uncompromising speed and versatility, this Mini PC is engineered to excel in any environment, from demanding workstations to sleek home offices.

### Performance Unbound

- Experience blazing-fast computing with the Intel® Core™ 5 120U processor, featuring 10 cores and an impressive 5.0 GHz max frequency, backed by a 12 MB cache for seamless data access.
- Multitask without limits thanks to a colossal 64GB DDR4 RAM, ensuring silky-smooth operation even with intensive applications.
- Boot up instantly and load programs in a flash with the responsive 256GB SSD storage.

### Seamless Connectivity

- Connect effortlessly to multiple displays using the dual HDMI ports and an additional VGA output.
- Enjoy rapid data transfer and networking with a 1000 Mbps Ethernet port and dual-band Wi-Fi 5 (802.11ac) for reliable wireless access.

- Four USB ports (two USB 3.0, two USB 2.0), along with dedicated speaker out and mic in, provide extensive peripheral flexibility.

### Built to Last

- Encased in a durable, black powder-coated steel housing, measuring just 210mm × 202mm × 80mm, the Neo H is engineered for longevity and discreet integration.
- Its robust design supports operation in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non-condensing.
- Quality and compliance are guaranteed with BIS, RoHS, and ISO certifications.
- Powered by a versatile 12V 7A adapter with a 2-meter cable, it adapts to various power inputs (100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum).

### Your OS, Your Choice

- Shipped with FreeDOS, the Thinvent® Neo H offers you the freedom to install the operating system that best suits your needs, providing ultimate customization and value.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 14th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 120U    |
| Cores           | 10      |
| Max Frequency   | 5 GHz   |
| Cache           | 12 MB   |
| Main Memory     | 4 GB    |
| SSD Storage     | 2048 GB |

### DISPLAY

|      |   |
|------|---|
| HDMI | 2 |
| VGA  | 1 |

### AUDIO

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

### CONNECTIVITY

|         |   |
|---------|---|
| USB 3.0 | 2 |
| USB 2.0 | 2 |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 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           | 210mm × 202mm × 80mm  |
| Packing Dimensions   | 340mm × 235mm × 105mm |
| Housing Material     | Steel                 |
| Housing Finish       | Powder Coated         |
| Housing Colour       | Black                 |
| Net and Gross Weight | 1.43kg, 1.84kg        |

### OPERATING SYSTEM

|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## Ordering Information

### PRODUCT CODE

**H-i5\_14-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                        |                     |                                        |                       |
|-------------|----------------------------------------|---------------------|----------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                    | <b>8</b> = 8GB DDR4 | <b>16</b> = 16GB DDR4                  | <b>32</b> = 32GB DDR4 |
| SSD         | <b>m128</b> = 128GB                    |                     | <b>m256</b> = 256GB                    |                       |
|             | <b>m512</b> = 512GB                    |                     | <b>m1024</b> = 1TB                     |                       |
|             | <b>m2048</b> = 2TB                     |                     | <b>S32</b> = 32GB MLC                  |                       |
|             | <b>S128</b> = 128GB                    |                     | <b>S256</b> = 256GB                    |                       |
| Wireless    | <b>m</b> = Dual Band WiFi              |                     | <b>X</b> = No WiFi                     |                       |
| OS          | <b>DOS</b> = DOS                       |                     | <b>W_OS</b> = Without OS               |                       |
|             | <b>11V</b> = Windows 11 IoT Value      |                     | <b>11P</b> = Windows 11 Pro            |                       |
|             | <b>110</b> = Windows 11 Professional   |                     | <b>Thinix</b> = Thinix™ Embedded Linux |                       |
|             | <b>U</b> = Ubuntu Linux                |                     |                                        |                       |
| Accessories | <b>0</b> = None                        |                     | <b>KM</b> = Keyboard and Mouse set     |                       |
|             | <b>1S</b> = DB9 Serial                 |                     | <b>MK</b> = Mechanical Keyboard        |                       |
|             | <b>Mo</b> = Wired Optical Scroll Mouse |                     |                                        |                       |

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