



# Thinvent Neo R/4 Mini PC

## Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

## 32GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Ubuntu Linux

## Thinvent Keyboard and Mouse set

SKU: R-I5\_12H-32-S128-12\_5-M-U-KM



Powerful performance meets compact practicality.

### Why choose the Thinvent Neo R/4 Mini PC

- Unlock desktop-class power in a footprint that fits almost anywhere – from crowded office desks to home entertainment centres
- The 12th generation Intel Core i5 processor handles demanding business applications, multitasking and media streaming without breaking a sweat
- Ubuntu Linux 24.04 LTS delivers a stable, secure and cost-effective operating system for developers, IT professionals and small businesses
- Built for reliable 24/7 operation in real-world environments, with a robust powder-coated steel chassis that withstands continuous use
- Effortless connectivity with dual-band Wi-Fi and Gigabit Ethernet lets you stay online whether you're in a modern office or a legacy setup

- Comprehensive I/O includes HDMI, VGA, USB 3.2 and USB 2.0 ports, making it simple to connect dual displays, peripherals and legacy equipment
- Ideal for point-of-sale systems, digital signage, thin client deployments, industrial kiosks or a space-saving home office PC
- Ready out of the box with a keyboard and mouse set, so you can start working immediately – no hidden extras needed
- Low power consumption and fanless operation keep it quiet and efficient, saving energy and reducing noise in sensitive environments

For a dependable, full-featured mini PC that balances performance, connectivity and value, the Neo R/4 is the smart choice for professionals who refuse to compromise on space or reliability.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 12450H  |
| Cores           | 8       |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 128 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|         |   |
|---------|---|
| USB 3.2 | 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   | 5 Amps                                       |
| Power Input  | 100~240 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           | 198mm × 200mm × 73mm  |
| Packing Dimensions   | 340mm × 235mm × 105mm |
| Weight               | 110 grams             |
| Housing Material     | Steel                 |
| Housing Finish       | Powder Coated         |
| Housing Colour       | Black                 |
| Net and Gross Weight | 2.14kg, 2.56kg        |

### ACCESSORIES

|                    |   |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

### OPERATING SYSTEM

|                  |                        |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

## PRODUCT CODE

R-i5\_12H-[RAM]-[SSD]-12\_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

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

Thinix = Thinix™ Embedded Linux

W\_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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