



## Thinvent Neo R/4 Mini PC

### Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

### 8GB DDR4 RAM

### 256GB SSD

### Dual Band WiFi

### DOS

### Thinvent Keyboard and Mouse set

SKU: R-I5\_12H-8-S256-12\_7-M-DOS-KM



Powerful performance in a compact package: perfect for modern business.

Designed for the professional who demands both space-saving design and serious processing power, the Thinvent Neo R/4 Mini PC brings Intel's 12th generation Core i5 muscle to your desk without taking up any of it. Whether you're running office productivity suites, handling digital signage, or managing point-of-sale systems, this little machine punches well above its weight.

Ready to work straight out of the box: it comes with a full-sized keyboard and mouse set, plus an efficient 12V power adapter. The included FreeDOS operating system gives you the freedom to install your preferred OS, so you're in control from the start.

Why choose the Neo R/4?

- Exceptional value: you get a 12th-gen processor with eight cores and turbo speeds up to 4.4 GHz – power that typically costs more in a bigger chassis, yet here it's delivered in a slim, steel housing that fits neatly behind a monitor or under a counter.

- Versatile connectivity: dual-band Wi-Fi, Gigabit Ethernet, HDMI, VGA, and multiple USB ports mean you can connect displays, legacy peripherals, and network devices without adaptors. Perfect for retail, healthcare, or education environments where flexibility is key.
- Reliable and quiet: the fanless design? Actually, it's not fanless, but the efficient cooling ensures whisper-quiet operation, even under load. And with certifications including BIS, RoHS, and ISO, you can trust its build quality in demanding conditions.

Save space, reduce clutter, and boost your productivity. The Thinvent Neo R/4 is the intelligent workhorse your business deserves.



# 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     | 8 GB    |
| SSD Storage     | 256 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   | 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           | 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 | 2.23kg, 2.65kg        |

### ACCESSORIES

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

### OPERATING SYSTEM

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

## 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

Thinux = Thinux™ 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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