



## Thinvent Neo R/4 Mini PC

### Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

### 16GB DDR4 RAM

### 1TB SSD

### No WiFi

### Ubuntu Linux

SKU: R-I5\_12H-16-M1024-12\_7-X-U-0



Power meets portability: the Thinvent Neo R/4 Mini PC.

Built for serious work without taking up serious space. Whether you are deploying kiosks, digital signage, or an edge computing station, this compact powerhouse delivers the punch you need from a 12th-generation Intel Core i5 processor. Multi-threaded tasks like data processing, web serving, or running a point-of-sale system feel effortless, while the eight cores handle multiple applications simultaneously without stuttering.

Out of the box it ships with Ubuntu Linux 24.04 LTS, so you enjoy a secure, stable, and highly customisable platform right away. No bloatware, no licensing headaches – just a clean environment for your software stack.

The all-steel, powder-coated chassis means this mini PC can sit in demanding environments, from factory floors to retail counters, and keep running reliably. Its compact footprint lets you mount it behind a monitor or tuck it away in a tight cabinet, freeing up valuable desk or floor space.

Storage and memory are solid for everyday business needs: a speedy 128GB SSD ensures quick boot times and snappy application loading, while 4GB of RAM keeps basic multitasking smooth. Need to connect peripherals? With dual USB 3.2 ports, Gigabit Ethernet, HDMI, and even a legacy VGA port, you have the flexibility to drive modern displays or older projectors without adapters.

Power efficiency is another win. The Neo R/4 draws low wattage and runs cool, so you save on energy bills and keep noise levels minimal. That makes it ideal for quiet offices, retail environments, or home workspaces.

Choose the Thinvent Neo R/4 when you need a dependable, compact, and Linux-ready computer that just gets the job done – day in, day out.



# 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     | 16 GB   |
| SSD Storage     | 1024 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 |
|----------|-----------|

### 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 | 1.72kg, 2.13kg        |

### 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

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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