



# Thinvent Neo R/4 Mini PC

## Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

256GB SSD

No WiFi

Without OS



SKU: R-I5\_12H-4-S256-12\_5-X-W\_OS-0

Powerful performance in a rugged, compact package – the Thinvent Neo R/4 Mini PC.

### Built for demanding industrial environments

- The 12th-gen Intel Core i5 processor delivers responsive, efficient computing for control systems, digital signage, or kiosk applications – without taking up valuable floor space.
- Its fanless, powder-coated steel housing shrugs off dust, vibration, and temperature swings, so it keeps running reliably on the factory floor or in a busy retail setting.
- With dual USB 3.2 and gigabit Ethernet, you can connect legacy peripherals and network equipment without adaptors, simplifying integration into existing infrastructure.

### Why choose the Neo R/4

- It's a straightforward, no-frills workhorse: no operating system means you install exactly what your operation needs, reducing security risks and licensing costs.

- The 12V DC power input makes it ideal for mobile or vehicle-mounted installations where clean, low-voltage power is available.
- Small enough to mount behind a display or under a desk, yet robust enough to handle 24/7 duty cycles in harsh conditions.

### Perfect for

- Industrial automation controllers and SCADA front-ends
- Self-service kiosks and ticketing machines
- Digital signage players requiring reliable, continuous operation
- Embedded systems where space is tight and downtime is not an option

Experience the dependability of purpose-built industrial computing – the Thinvent Neo R/4 Mini PC puts powerful processing where you need it most, with the durability to keep your operations running smoothly.



# 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     | 4 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 |
|----------|-----------|

### 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 | 1.62kg, 2.04kg        |

### OPERATING SYSTEM

|                  |            |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

## 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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