



# Thinvent Neo R/4 Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

128GB SSD

No WiFi

Without OS

DB9 Serial



SKU: R-I5\_12-8\_8-M128-12\_7-X-W\_OS-1S

Thinvent Neo R/4: Compact Power, Unyielding Performance, Built for Your Demanding World.

### Introduction

Discover the Thinvent® Neo R/4 Mini PC, an industrial-grade workhorse engineered for specialized applications requiring robust performance and steadfast reliability. This compact powerhouse is perfect for automation, industrial control, point-of-sale systems, and secure business environments where dedicated, wired connectivity is paramount.

### Unmatched Performance

Experience lightning-fast processing with the Intel® Core™ i5-1250P processor, featuring 12 cores and a boost frequency up to 4.4 GHz for seamless multitasking and rapid data handling. Paired with a massive 32GB DDR4 RAM, the Neo R/4 effortlessly manages intensive workloads, while the 128GB SSD ensures quick boot times and swift application launches.

### Connectivity and Adaptability

Designed for specialized integration, the Neo R/4 boasts a crucial DB9 male RS232 serial port for legacy device communication and industrial automation. Connect with confidence via a stable 1000 Mbps Ethernet port. Dual display support is provided through HDMI and VGA outputs, catering to diverse display setups. With no pre-installed OS and no WiFi, you gain the ultimate flexibility to configure your system for maximum security and specific operational needs.

### Robust Design and Reliability

Encased in a durable, black powder-coated steel housing, this mini PC is built to endure. Its incredibly compact dimensions (198mm x 200mm x 73mm) and lightweight design (110 grams) allow for versatile mounting and deployment in tight spaces. Operating reliably between 0°C and 40°C, the Neo R/4 is backed by BIS, RoHS, and ISO certifications, ensuring quality and peace of mind.

### Power and Efficiency

Power your operations with a robust 12V 7A adapter, capable of handling a wide 100~275 Volts AC input, making it globally adaptable and resilient.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 16 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                |
| Serial Port | 1 DB9 male RS232 |

### 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 | Without OS |
|------------------|------------|

## Ordering Information

## PRODUCT CODE

R-i5\_12-[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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