



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 8GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 Pro

## DB9 Serial



SKU: R-I3\_12-8-M512-12\_5-X-11P-1S

Thinvent® Neo R/4 Mini PC: Uncompromising Performance, Unbeatable Reliability, Unbelievably Compact.

Experience robust computing without the bulk. The Thinvent® Neo R/4 Mini PC is engineered for demanding tasks, offering powerful performance in a sleek, steel-clad design. Perfect for business, industrial, or specialized applications, it's your answer to reliable, high-speed operation.

### Core Power

- Driven by an Intel® Core™ i3-1215U processor with 6 cores, achieving speeds up to 4.4 GHz, it effortlessly handles multitasking and intensive applications.
- A 10 MB cache ensures swift data access, keeping your workflow smooth and responsive.

### Lightning-Fast Storage and Memory

- Boost your productivity with 4GB DDR4 RAM for efficient memory management.
- A 256GB SSD provides instantaneous boot times and rapid application loading, minimizing wait times.

### Essential Connectivity for Every Need

- Integrate legacy systems and industrial peripherals seamlessly with a dedicated DB9 serial port.
- Expand your visual workspace with dual display support via HDMI and VGA.
- Connect all your accessories with 2 USB 3.2 and 2 USB 2.0 ports.
- Ensure stable and secure networking with 1000 Mbps Gigabit Ethernet, ideal for environments prioritizing wired reliability.

### Built to Endure

- Housed in durable, black power-coated steel, the Neo R/4 is built for longevity.
- Weighing a mere 110 grams and certified with BIS, RoHS, and ISO, its quality and robustness are guaranteed.
- Operates reliably across a 0°C to 40°C temperature range.

### Modern Operating System

- Comes pre-installed with Microsoft Windows 11 Pro, offering enhanced security features and a productive user experience.



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 8 GB    |
| SSD Storage     | 512 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

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|              |                  |
|--------------|------------------|
| USB 3.2      | 2                |
| USB 2.0      | 2                |
| Serial Port  | 1 DB9 male RS232 |
| RS485 Option | 1                |

### NETWORKING

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|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

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|              |  |
|--------------|--|
| 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

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|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

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|                      |                       |
|----------------------|-----------------------|
| 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 | 1.59kg, 2.01kg        |

### OPERATING SYSTEM

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|                  |                          |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

| PRODUCT CODE   |  |              |  |
|--|--|--------------|--|
| R-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |  |              |  |
| RAM  | 4 = 4GB DDR4<br>64 = 64GB DDR4   | 8 = 8GB DDR4 | 16 = 16GB DDR4<br>32 = 32GB DDR4                               |
| SSD  | m128 = 128GB<br>m32 = 32GB<br>m1024 = 1TB<br>S128 = 128GB                  |              | m256 = 256GB<br>m512 = 512GB<br>S32 = 32GB MLC<br>S256 = 256GB |
| Wireless   | m = Dual Band WiFi   |              | X = No WiFi  |
| OS   | DOS = DOS<br>11V = Windows 11 IoT Value<br>Thinix = Thinix™ Embedded Linux |              | W_OS = Without OS<br>11P = Windows 11 Pro<br>U = Ubuntu Linux  |
| Accessories  | 0 = None<br>1S = DB9 Serial<br>Mo = Wired Optical Scroll Mouse             |              | KM = Keyboard and Mouse set<br>MK = Mechanical Keyboard        |

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