



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 16GB DDR4 RAM

## 2TB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: R-I3\_13-16-M2048-12\_7-M-11V-0



Unleash Mighty Performance in a Mini Footprint.

Introducing the Thinvent® Neo R/4 Mini PC, a powerhouse engineered for efficiency and reliability in any workspace. Experience robust computing in an ultra-compact design, perfectly suited for modern business, industrial IoT, or advanced home office setups.

### Experience Unrivalled Speed and Multitasking

- Powered by the Intel® Core™ i3-1315U processor with 6 cores, 10 MB cache, and burst speeds up to 4.5 GHz, handling demanding applications effortlessly.
- 16GB DDR4 RAM ensures seamless multitasking, keeping your workflow fluid and responsive.
- A blazing-fast 256GB SSD provides instant boot-ups and rapid data access, enhancing productivity.
- Navigate effortlessly with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering enhanced security and long-term support for mission-critical applications.

### Versatile Connectivity and Robust Design

- Connect dual displays via HDMI and VGA for an expansive visual workspace.
- Enjoy comprehensive peripheral and audio support with Speaker Out, Mic In, 2 USB 3.2, and 2 USB 2.0 ports.
- Stay connected with lightning-fast 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking.
- Its wide-range 100~275V AC input power adapter ensures global compatibility and consistent 12V 7A DC output.
- Housed in durable, black power-coated steel, this mini PC weighs only 110 grams and measures a mere 198mm × 200mm × 73mm, making it incredibly portable and space-saving.
- Designed for continuous operation from 0°C to 40°C in 20% ~ 80% non-condensing humidity, ensuring reliability in diverse environments.
- Certified by BIS, RoHS, and ISO, guaranteeing quality and environmental compliance.

The Thinvent® Neo R/4 is your compact solution for high-performance, dependable computing, built to excel where space is at a premium.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1315U   |
| Cores           | 6       |
| Max Frequency   | 4.5 GHz |
| Cache           | 10 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 2048 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 | 1.61kg, 2.03kg        |

### OPERATING SYSTEM

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## Ordering Information

## PRODUCT CODE

R-i3\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

|             |                                                                                                                          |                                                                                                   |                                                               |                       |
|-------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4<br><b>32_32</b> = 64GB DDR4 RAM (2 x 32GB)                                                           | <b>8</b> = 8GB DDR4<br><b>16_16</b> = 32GB DDR4 RAM (2 x 16GB)                                    | <b>16</b> = 16GB DDR4<br><b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) | <b>32</b> = 32GB DDR4 |
| SSD         | <b>m128</b> = 128GB<br><b>m512</b> = 512GB<br><b>m2048</b> = 2TB<br><b>S128</b> = 128GB                                  | <b>m256</b> = 256GB<br><b>m1024</b> = 1TB<br><b>S32</b> = 32GB MLC<br><b>S256</b> = 256GB         |                                                               |                       |
| Wireless    | <b>m</b> = Dual Band WiFi                                                                                                | <b>X</b> = No WiFi                                                                                |                                                               |                       |
| OS          | <b>DOS</b> = DOS<br><b>11V</b> = Windows 11 IoT Value<br><b>110</b> = Windows 11 Professional<br><b>U</b> = Ubuntu Linux | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>Thinux</b> = Thinux™ Embedded Linux |                                                               |                       |
| Accessories | <b>0</b> = None<br><b>1S</b> = DB9 Serial<br><b>Mo</b> = Wired Optical Scroll Mouse                                      | <b>KM</b> = Keyboard and Mouse set<br><b>MK</b> = Mechanical Keyboard                             |                                                               |                       |

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