



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 8GB DDR4 RAM

## 2TB SSD

## Dual Band WiFi

## Thinix Embedded Linux

SKU: R-I3\_12-8-M2048-12\_5-M-THINUX-0



Experience Unrivalled Performance in a Featherlight Powerhouse.

The Thinvent® Neo R/4 Mini PC redefines compact computing, blending robust performance with unparalleled portability. Engineered for the modern professional, this mini PC is your ideal partner for demanding tasks and seamless operation.

### Performance Powerhouse

Powered by an Intel® Core™ i3-1215U processor, featuring 6 cores that surge up to 4.4 GHz and a substantial 10 MB cache, the Neo R/4 ensures lightning-fast responsiveness for all your tasks. With a generous 32GB DDR4 RAM, you'll effortlessly juggle multiple applications and heavy workloads, while the 128GB SSD delivers rapid boot-ups and swift data access, enhancing overall system fluidity.

### Thinvent Thinix™ Advantages

The Thinvent® Neo R/4 operates on Thinix™ Embedded Linux, a secure, efficient, and purpose-built platform designed for superior stability and versatile remote manageability.

- Effortless remote access with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Streamlined browser-based remote management.
- Integrated productivity with LibreOffice and PDF viewer.

- Broad application support for Java, Python, and glibc-based location apps.
- Built-in multimedia (MPEG4) and essential browsing (Chromium, Firefox).
- Comprehensive SIP video and voice over IP communications.

### Comprehensive Connectivity & Design

Connectivity is robust, offering 2x USB 3.2 and 2x USB 2.0 ports, Gigabit Ethernet (1000 Mbps), and dual-band Wi-Fi 5 (802.11ac) for flexible networking. Enjoy dual display support via HDMI and VGA, with dedicated Speaker Out and Mic In ports for all your audio needs. All this power is encased in an ultra-durable, power-coated black steel housing, measuring a mere 198mm x 200mm x 73mm and astonishingly weighing just 110 grams.

### Uncompromising Reliability

Powered by a 12V 7A adapter with a wide 100~275V AC input for global compatibility, the Neo R/4 is BIS, RoHS, and ISO certified, guaranteeing trusted quality. It operates reliably from 0°C to 40°C in 20% ~ 80% non-condensing humidity. Empower your workspace with the Thinvent® Neo R/4 – a compact, powerful, and secure solution for superior productivity.





# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| 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     | 2048 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|              |   |
|--------------|---|
| USB 3.2      | 2 |
| USB 2.0      | 2 |
| RS485 Option | 1 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### 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 | 1.59kg, 2.01kg        |

### OPERATING SYSTEM

|                  |                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

## Ordering Information

## PRODUCT CODE

R-i3\_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

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W\_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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