



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 64GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Thinix Embedded Linux

## DB9 Serial

SKU: R-13\_13-64-M128-12\_5-M-THINUX-1S



Unleash powerful performance in a minimal footprint.

Discover the Thinvent® Neo R/4 Mini PC: a compact powerhouse engineered for efficiency and reliability. This robust mini PC packs a punch with its Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz, complemented by a substantial 10 MB cache. Paired with 16GB of DDR4 RAM and a lightning-fast 256GB SSD, the Neo R/4 ensures seamless multitasking, rapid boot times, and responsive application handling, making it ideal for demanding tasks and data-intensive environments.

### Operating System Excellence

Experience the dedicated efficiency of Thinvent® Thinix™ Embedded Linux, a purpose-built OS designed for optimal performance and control.

- Enjoy secure web browsing with pre-installed Chromium and Mozilla Firefox browsers.
- Benefit from advanced remote management capabilities including RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Manage your device effortlessly with browser-based remote management.
- Leverage broad application support for Java, Python, and glibc-based solutions.

- Stay productive with LibreOffice and a PDF viewer, plus multimedia playback with MPEG4 support.
- Communicate seamlessly with integrated SIP video and voice over IP.

### Connectivity and Design

The Neo R/4 offers versatile connectivity in a surprisingly lightweight (110 grams) and durable steel housing, powder-coated in sleek black.

- Expand your visual workspace with HDMI and VGA ports for dual display support.
- Connect essential peripherals via 2x USB 3.2 and 2x USB 2.0 ports.
- Ensure reliable wired networking with a 1000 Mbps Ethernet port.
- Stay connected wirelessly with dual-band Wi-Fi 5 (802.11ac).
- Integrate with legacy or industrial equipment using the essential DB9 male RS232 serial port.

Engineered for continuous operation from 0°C to 40°C and certified with BIS, RoHS, and ISO, the Thinvent® Neo R/4 Mini PC is your reliable, high-performance solution for embedded applications, thin clients, and space-constrained setups.





# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1315U   |
| Cores           | 6       |
| Max Frequency   | 4.5 GHz |
| Cache           | 10 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 128 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 |

### NETWORKING

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

### 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 | 1.52kg, 1.94kg        |

### OPERATING SYSTEM

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

## Ordering Information

| PRODUCT CODE  |   |                     |  |
|---|---|---------------------|--|
| <b>R-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b> |   |                     |  |
| <b>RAM</b>  | <b>4</b> = 4GB DDR4<br><b>64</b> = 64GB DDR4  | <b>8</b> = 8GB DDR4 | <b>16</b> = 16GB DDR4<br><b>32</b> = 32GB DDR4   |
| <b>SSD</b>  | <b>m128</b> = 128GB<br><b>m32</b> = 32GB<br><b>m1024</b> = 1TB<br><b>S128</b> = 128GB           |                     | <b>m256</b> = 256GB<br><b>m512</b> = 512GB<br><b>S32</b> = 32GB MLC<br><b>S256</b> = 256GB |
| <b>Wireless</b>   | <b>m</b> = Dual Band WiFi   |                     | <b>X</b> = No WiFi   |
| <b>OS</b>   | <b>DOS</b> = DOS<br><b>11V</b> = Windows 11 IoT Value<br><b>Thinix</b> = Thinix™ Embedded Linux |                     | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>U</b> = Ubuntu Linux         |
| <b>Accessories</b>  | <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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