



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

2TB SSD

Dual Band WiFi

Thinux Embedded Linux

DB9 Serial

SKU: R-I3\_13-32\_32-M2048-12\_7-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® Thinux™ 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

|                 |         |
|-----------------|---------|
| 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     | 2048 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                     |
| 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 | 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_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)<br><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>Thinix</b> = Thinix™ 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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