



# Thinvent Neo R/4 Mini PC

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

**32GB DDR4 RAM (2 x 16GB)**

**32GB MLC SSD**

**No WiFi**

**Thinux Embedded Linux**

SKU: R-I5\_13-16\_16-S32-12\_5-X-THINUX-0



Thinvent® Neo R/4: Your Compact Powerhouse for Secure, Dedicated Workloads.

The Thinvent® Neo R/4 Mini PC redefines efficiency, packing exceptional power into an ultra-compact, industrial design. Engineered for demanding environments and critical applications, it delivers high-performance computing without compromise.

### Key Performance

- Powered by an Intel® Core™ i5-1335U processor with 10 cores and speeds up to 4.6 GHz, featuring a 12 MB cache for seamless multitasking and rapid application execution.
- Experience lightning-fast responsiveness with 32GB DDR4 RAM and a spacious 512GB SSD, providing ample storage and rapid boot times.

### Secure and Managed OS

- Runs on Thinvent® Thinux™ Embedded Linux, a highly secure, stable, and low-maintenance operating system tailored for thin client and embedded applications.
- Enjoy advanced remote management, including RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, browser-based remote management, and VNC shadowing for easy administration.
- Benefit from integrated productivity tools like LibreOffice and a PDF viewer, along with multimedia (MPEG4 player, SIP video/voice over IP) for comprehensive communication.

- Supports Java, Python, and glibc-based location applications, making it versatile for specialized industry use. Chromium and Mozilla Firefox browsers are also included.

### Robust Connectivity and Design

- Connectivity includes 1 HDMI, 1 VGA, 1 Speaker Out, and 1 Mic In.
- Connect peripherals via 2 USB 3.2 and 2 USB 2.0 ports.
- Designed for unwavering network reliability with a dedicated 1000 Mbps Ethernet connection, ensuring consistent performance where wired stability is paramount. (Note: No WiFi)
- Supplied with a robust 12V 7A adapter with wide AC input (100~275 Volts), ensuring stable, efficient power in diverse environments.
- Housed in a durable, black powder-coated steel chassis, built to withstand continuous operation.
- Ultra-compact (198mm × 200mm × 73mm) and lightweight (110 grams), it's ideal for space-constrained installations.
- Operates reliably across a wide temperature range of 0°C to 40°C.

### Trusted Quality

- BIS, RoHS, and ISO certified, guaranteeing stringent quality and environmental compliance.





# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1335U   |
| Cores           | 10      |
| Max Frequency   | 4.6 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 32 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 |
|----------|-----------|

### 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 | 1.52kg, 1.94kg        |

### OPERATING SYSTEM

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

**R-i5\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

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

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