



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 4GB DDR4 RAM

## 128GB SSD

## No WiFi

## Ubuntu Linux

## DB9 Serial



SKU: R-I3\_13-4-M128-12\_5-X-U-1S

Unleash robust performance in a compact, industrial-grade package.

Discover the Thinvent® Neo R/4 Mini PC: Your reliable powerhouse for demanding applications, built for stability and precision. Engineered with a focus on performance and durability, this mini PC is ideal for industrial control, point-of-sale, digital signage, and specialized embedded systems where wired reliability is paramount.

### Uncompromising Performance

- Experience swift multitasking and efficient processing with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz.
- A generous 10 MB cache ensures rapid data access, enhancing overall system responsiveness.
- Seamlessly run your critical applications with 8GB DDR4 RAM.
- Boot up instantly and access files quickly from the lightning-fast 128GB SSD.

### Industrial-Grade Connectivity and Reliability

- Interface with legacy systems and specialized peripherals effortlessly via the dedicated DB9 male RS232 serial port.
- Benefit from rock-solid network stability and security with the integrated 1000 Mbps Ethernet port – no WiFi ensures a focused, secure wired environment.

- Connect your displays with versatile HDMI and VGA outputs.
- Four USB ports (2x USB 3.2, 2x USB 2.0) provide ample connectivity for all your peripherals.
- Audio input and output ports offer complete multimedia integration.
- Powered by a robust 12V 7A adapter, designed for consistent operation within 100~275 Volts AC input.

### Built to Endure

- Housed in a durable steel chassis with a sleek black powder coating, the Neo R/4 is designed to withstand challenging environments.
- With a compact footprint of 198mm x 200mm x 73mm and an incredibly light weight of 110 grams, it integrates seamlessly into any setup.
- Certified to BIS, RoHS, and ISO standards, ensuring quality, safety, and environmental compliance.

### Optimized with Ubuntu Linux

- Enjoy the stability, security, and versatility of Ubuntu Linux 24.04 LTS, pre-installed and ready for your custom applications and development needs.





# 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     | 4 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 |
|----------|-----------|

### 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

| PRODUCT CODE  |  |                     |                                    |
|---|--|---------------------|------------------------------------|
| <b>R-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b> |  |                     |                                    |
| <b>RAM</b>  | <b>4</b> = 4GB DDR4                    | <b>8</b> = 8GB DDR4 | <b>16</b> = 16GB DDR4              |
|   | <b>64</b> = 64GB DDR4                  |                     | <b>32</b> = 32GB DDR4              |
| <b>SSD</b>  | <b>m128</b> = 128GB                    |                     | <b>m256</b> = 256GB                |
|   | <b>m32</b> = 32GB                      |                     | <b>m512</b> = 512GB                |
|   | <b>m1024</b> = 1TB                     |                     | <b>S32</b> = 32GB MLC              |
|   | <b>S128</b> = 128GB                    |                     | <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                       |                     | <b>W_OS</b> = Without OS           |
|   | <b>11V</b> = Windows 11 IoT Value      |                     | <b>11P</b> = Windows 11 Pro        |
|   | <b>Thinix</b> = Thinix™ Embedded Linux |                     | <b>U</b> = Ubuntu Linux            |
| <b>Accessories</b>  | <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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