



# Thinvent Neo R/4 Mini PC

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 16GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: R-I7\_12L-16-M256-12\_7-M-U-0



## Think Big, Deploy Small: The Neo R/4 Mini PC

The Neo R/4 redefines compact power for demanding industrial environments. This isn't just a small computer; it's a robust, silent, and incredibly versatile solution designed to thrive where others can't.

### Ideal For

- Digital Signage & Kiosks: Deliver stunning visuals and seamless interactivity in retail or public spaces.
- Edge Computing & IoT Gateways: Process data locally with reliable dual LAN connectivity for robust network integration.
- Industrial Automation: A dependable, fanless heart for control systems, monitoring stations, and production line PCs.

- Space-Constrained Offices: A clutter-free desktop powerhouse for productivity and specialised business applications.

### Why Choose the Neo R/4

Experience the perfect blend of substantial processing muscle and unwavering reliability. Its rugged, steel construction is built for 24/7 operation, while the efficient, fanless design ensures silent running and protection against dust. With its dual Gigabit Ethernet and flexible connectivity, it integrates seamlessly into complex setups. Pre-installed with a stable, open-source operating system, it's ready to deploy out of the box, offering a secure and customisable platform for your critical operations. The Neo R/4 is the compact, industrial-grade engine your next project needs.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i7      |
| Processor Brand | Intel   |
| Processor Model | 1255U   |
| Cores           | 10      |
| Max Frequency   | 4.7 GHz |
| Cache           | 12 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 256 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 |
| RS485 Option | 1 |

### NETWORKING

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|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Ethernet Ports      | 2                             |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

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

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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 | 1.72kg, 2.13kg        |

### OPERATING SYSTEM

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|                  |                        |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

### PRODUCT CODE

**R-i7\_12l-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|                    |   |                     |  |                       |
|--------------------|---|---------------------|--|-----------------------|
| <b>RAM</b>         | <b>4</b> = 4GB DDR4<br><b>64</b> = 64GB DDR4  | <b>8</b> = 8GB DDR4 | <b>16</b> = 16GB DDR4  | <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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