



# Thinvent Neo R/4 Mini PC

## Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

## Dual LAN

64GB DDR5 RAM (2 x 32GB)

512GB SSD

No WiFi

Windows 11 IoT Value



SKU: R-CU5\_14L-32\_5\_32\_5-M512-12\_5-X-11V-0

Industrial-grade computing power, perfectly packaged for purpose.

### Unleash the heart of your operation

The Thinvent Neo R/4 Mini PC delivers focused, reliable performance for demanding environments. This isn't about flashy features; it's about steadfast dependability where it matters most.

### Built for the real world

- Engineered for 24/7 operation in commercial and industrial settings, from digital signage to process control.
- Its rugged, compact steel housing is designed to withstand challenging conditions, ensuring continuous uptime.
- Dual Gigabit LAN ports provide robust, wired network connectivity for critical data transfer and system integration.

### Simplify and secure your deployment

- Arrives with Windows 11 IoT Enterprise, offering a stable, long-term platform with enhanced security features for embedded applications.
- Its fanless, silent design and low power consumption make it ideal for noise-sensitive or energy-conscious installations.
- The versatile mounting options and small footprint allow for seamless integration into virtually any space.

Choose the Neo R/4 for a computing solution that prioritises unwavering reliability over unnecessary complexity. It's the dependable core for your essential systems.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 14th    |
| Series          | Ultra 5 |
| Processor Brand | Intel   |
| Processor Model | 125U    |
| Cores           | 12      |
| Max Frequency   | 4.3 GHz |
| Cache           | 12 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 512 GB  |

### DISPLAY

|          |   |
|----------|---|
| HDMI 2.0 | 1 |
| VGA      | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|              |   |
|--------------|---|
| USB 3.2      | 2 |
| USB 2.0      | 2 |
| RS485 Option | 1 |

### NETWORKING

|                |           |
|----------------|-----------|
| Ethernet       | 1000 Mbps |
| Ethernet Ports | 2         |

### 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 | 1.62kg, 2.04kg        |

### OPERATING SYSTEM

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## Ordering Information

## PRODUCT CODE

R-cu5\_14l-[RAM]-[SSD]-12\_5-[Wireless]-[OS]-[Accessories]

|             |                                            |                             |                  |                                            |
|-------------|--------------------------------------------|-----------------------------|------------------|--------------------------------------------|
| RAM         | 8_5 = 8GB DDR5                             | 16_5 = 16GB DDR5            | 32_5 = 32GB DDR5 | 32_5_32_5 = 64GB<br>DDR5 RAM (2 x<br>32GB) |
|             | 16_5_16_5 = 32GB<br>DDR5 RAM (2 x<br>16GB) |                             |                  |                                            |
| SSD         | m128 = 128GB                               | m256 = 256GB                |                  |                                            |
|             | m512 = 512GB                               | m1024 = 1TB                 |                  |                                            |
|             | S32 = 32GB MLC                             | S128 = 128GB                |                  |                                            |
|             | S256 = 256GB                               |                             |                  |                                            |
| Wireless    | m = Dual Band WiFi                         | X = No WiFi                 |                  |                                            |
| OS          | DOS = DOS                                  | W_OS = Without OS           |                  |                                            |
|             | 11V = Windows 11 IoT Value                 | 11P = Windows 11 Pro        |                  |                                            |
|             | Thinix = Thinix™ Embedded Linux            | U = Ubuntu Linux            |                  |                                            |
| Accessories | 0 = None                                   | KM = Keyboard and Mouse set |                  |                                            |
|             | 1S = DB9 Serial                            | MK = Mechanical Keyboard    |                  |                                            |
|             | Mo = Wired Optical Scroll Mouse            |                             |                  |                                            |

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