# 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)

## 2TB SSD

## Dual Band WiFi

## Windows 11 IoT Value



SKU: R-CU5_14L-32_32_5-M2048-12_7-M-11V-0

Unlock Big Potential in a Tiny Footprint.

The Thinvent® Neo R/4 Mini PC is your powerhouse partner for smart, reliable computing in any environment. Engineered for the demands of modern business, it delivers robust performance where you need it most, without cluttering your space.

**Why the Neo R/4 is Your Smart Choice**

Designed for seamless integration, this compact computer is the perfect brains behind your operation. From digital signage in retail stores to a central hub for point-of-sale systems, it works tirelessly to keep your business connected and running smoothly. Its industrial-grade build ensures dependable operation day in, day out.

**Key Benefits for Your Business**

- Maximise efficiency with a compact, fanless design that fits anywhere and runs silently.
- Enjoy versatile connectivity with dual Ethernet ports for network redundancy and fast data transfer.
- Experience reliable, always-on performance with Windows 11 IoT, perfect for dedicated business applications.
- Reduce your total cost of ownership with an energy-efficient design built for 24/7 operation.
- Deploy with confidence, knowing its robust steel housing protects your investment in demanding settings.

**Ideal for a Connected World**

Transform how you work. The Neo R/4 is the trusted core for kiosks, thin clients, office workstations, and IoT gateways. It's the simple, powerful solution to drive your digital projects forward.



# 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 | 2048 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 |
| 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 | 1.72kg, 2.13kg |

### OPERATING SYSTEM

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

# Thinvent Neo R/4 Mini PC

## Ordering Information

PRODUCT CODE

`R-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]`

| | | | | |
|---|---|---|---|---|
| RAM | **8_5** = 8GB DDR5 | **16_5** = 16GB DDR5 | **32_5** = 32GB DDR5 | **32_32_5** = 64GB DDR5 RAM (2 x 32GB) |
| | **16_16_5** = 32GB DDR5 RAM (2 x 16GB) | **8_8_5** = 16GB DDR5 RAM (2 x 8GB) | | |
| SSD | **m128** = 128GB | | **m256** = 256GB | |
| | **m512** = 512GB | | **m1024** = 1TB | |
| | **m2048** = 2TB | | **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 | |
| | **110** = Windows 11 Professional | | **Thinux** = Thinux™ 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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