



# Thinvent Neo R/4 Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 256GB SSD

## No WiFi

## Windows 11 Pro

## DB9 Serial



SKU: R-I5\_14-16-S256-12\_10-X-11P-1S

Thinvent® Neo R/4: Redefine powerful computing in a miniature footprint.

Experience unparalleled performance and rock-solid reliability with the Thinvent® Neo R/4 Mini PC, engineered for demanding environments and sophisticated applications. This compact powerhouse delivers robust computing where space and steadfast operation are critical.

### Blazing Performance

- Driven by the Intel® Core™ 5 120U processor, featuring 10 cores and clocking up to 5.0 GHz with 12 MB cache, it handles intensive tasks with ease.
- Conquer complex workflows and multitask seamlessly with a massive 64GB DDR4 RAM.
- Enjoy lightning-fast boot-ups and instantaneous data access thanks to the 512GB SSD.

### Versatile Connectivity

- Equip your setup with extensive display options: 2 HDMI ports and 1 VGA port for multi-monitor productivity.
- Integrate effortlessly with legacy and industrial systems via the dedicated DB9 male RS232 Serial Port.
- Benefit from secure and high-speed networking with 1000 Mbps Ethernet for critical wired connections.

- Connect all your peripherals with 2 USB 3.0 and 2 USB 2.0 ports, plus dedicated speaker out and mic in jacks.

### Industrial Grade Durability

- Built to last, its robust black steel housing with powder coating ensures longevity.
- Operating reliably from 0°C to 40°C and 20% to 80% RH (non-condensing), it's ideal for various conditions.
- With BIS, RoHS, and ISO certifications, trust in its quality and environmental compliance.
- Incredibly compact at 198mm × 200mm × 73mm and just 110 grams, it fits anywhere without compromise.

### Ready for Business

- Pre-installed with Windows 11 Pro, it offers advanced security features, a modern interface, and enterprise-grade manageability.
- The 12V 7A adapter with a 2-meter cable provides stable power input (100~275 Volts AC).

The Thinvent® Neo R/4 is your ultimate solution for industrial control, digital signage, kiosks, point-of-sale systems, or any scenario demanding high performance and unwavering stability in a minimalist design.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |        |
|-----------------|--------|
| Generation      | 14th   |
| Series          | i5     |
| Processor Brand | Intel  |
| Processor Model | 120U   |
| Cores           | 10     |
| Max Frequency   | 5 GHz  |
| Cache           | 12 MB  |
| Main Memory     | 16 GB  |
| SSD Storage     | 256 GB |

### DISPLAY

|      |   |
|------|---|
| HDMI | 2 |
| VGA  | 1 |

### AUDIO

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

### CONNECTIVITY

|             |                  |
|-------------|------------------|
| USB 3.0     | 2                |
| USB 2.0     | 2                |
| Serial Port | 1 DB9 male RS232 |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 10 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 | 1.32kg, 1.74kg        |

### OPERATING SYSTEM

|                  |                          |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

| PRODUCT CODE                                           |                                 |              |                             |                |
|--------------------------------------------------------|---------------------------------|--------------|-----------------------------|----------------|
| R-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                 |              |                             |                |
| RAM                                                    | 4 = 4GB DDR4                    | 8 = 8GB DDR4 | 16 = 16GB DDR4              | 32 = 32GB DDR4 |
|                                                        | 64 = 64GB DDR4                  |              |                             |                |
| SSD                                                    | m128 = 128GB                    |              | m256 = 256GB                |                |
|                                                        | m32 = 32GB                      |              | 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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