



# Thinvent Neo R/4 Mini PC

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 32GB DDR4 RAM

## 256GB SSD

## No WiFi

## Windows 11 IoT Value

## DB9 Serial



SKU: R-I7\_12L-32-M256-12\_7-X-11V-1S

Engineer a More Productive Future with Tiny Tech.

### Thinvent Neo R/4 Mini PC

The ultimate compact powerhouse for demanding industrial applications. This isn't your average desktop; it's a robust, purpose-built engine designed to thrive where others falter. With its industrial-grade Intel Core i7 performance packed into a rugged steel chassis, it delivers unwavering reliability in environments from factory floors to digital signage installations.

### Why the Neo R/4 is Your Ideal Partner

- Experience industrial-grade reliability with a fanless, rugged design built for 24/7 operation in harsh conditions.

- Seamlessly integrate legacy equipment and modern networks with dual Gigabit LAN ports and a dedicated serial port.
- Unlock the power of Windows 11 IoT for a secure, stable, and long-term platform for your critical software.
- Maximise space and minimise clutter with a compact form factor that installs virtually anywhere.

Ideal for automation, kiosks, and control systems where consistent, powerful computing in a tough, compact package is non-negotiable. Build your solution on a foundation of proven industrial strength.



## 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     | 32 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                |
| Serial Port  | 1 DB9 male RS232 |
| RS485 Option | 1                |

### NETWORKING

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

### 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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

## 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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