



## 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

### 32GB MLC SSD

### No WiFi

### Thinux Embedded Linux



SKU: R-I7\_12L-32-S32-12\_5-X-THINUX-0

Unleash industrial-grade intelligence in a compact powerhouse.

Engineered for demanding environments, the Thinvent® Neo R/4 Mini PC delivers relentless performance and unwavering reliability. It's the robust computing core for applications where space is limited but expectations are not.

#### Ideal for

- Powering digital signage and interactive kiosks in retail and public spaces.
- Serving as a dedicated controller for factory automation and process monitoring.
- Running critical applications in thin-client and virtual desktop infrastructures.

- Acting as a secure, low-maintenance server for edge computing and IoT gateways.

#### Why choose the Neo R/4

Its fanless, rugged steel construction ensures silent, durable operation in challenging conditions, from factory floors to transport hubs. With dual Gigabit Ethernet ports, it offers robust, wired network connectivity for data-intensive tasks, enhancing security and stability. The pre-installed Thinux™ Embedded Linux provides a streamlined, secure, and stable platform right out of the box, ready for your specialised software. This is a purpose-built workhorse, designed to perform day in, day out, without fuss or failure.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| 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     | 32 GB   |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|              |   |
|--------------|---|
| USB 3.2      | 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 | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

## Ordering Information

### PRODUCT CODE

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

|             |                                                                                                 |                                                                                            |                       |                       |
|-------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| RAM         | <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 |
| SSD         | <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 |                       |                       |
| Wireless    | <b>m</b> = Dual Band WiFi                                                                       | <b>X</b> = No WiFi                                                                         |                       |                       |
| OS          | <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         |                       |                       |
| Accessories | <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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