



# Thinvent Neo R/4 Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

**64GB DDR4 RAM (2 x 32GB)**

**2TB SSD**

**No WiFi**

**DOS**

**DB9 Serial**



SKU: R-I5\_12-32\_32-M2048-12\_7-X-DOS-1S

Unleash unparalleled power in an ultra-compact, industrial-grade design.

The Thinvent® Neo R/4 Mini PC redefines efficiency and performance in a tiny footprint. Engineered for demanding environments and specialized applications, this robust mini PC delivers a powerhouse experience without compromise.

### Performance Unleashed

- Experience lightning-fast responsiveness with the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz for superior multi-tasking.
- Seamlessly manage intensive tasks and applications with an expansive 64GB DDR4 RAM.
- Store vast amounts of data and enjoy instant boot-ups from the colossal 1TB SSD.

### Tailored Connectivity

- Integrate effortlessly into diverse setups with a dedicated DB9 RS232 serial port, indispensable for legacy systems, automation, and specialized industrial control.

- Ensure rock-solid network stability and enhanced security with a gigabit Ethernet connection, ideal for environments requiring reliable wired connectivity.
- Connect multiple displays via HDMI and VGA for enhanced productivity.
- Utilize a suite of USB 3.2 and 2.0 ports for all your peripherals.

### Built for Reliability

- Housed in a durable, powder-coated steel chassis, the Neo R/4 is engineered for longevity and robust performance.
- Its ultra-compact dimensions and incredibly lightweight 110-gram design make it highly versatile for any deployment.
- Ships with FreeDOS, offering you the freedom to install your preferred operating system or specialized software.
- Operates reliably across a 0°C to 40°C temperature range.
- Certified with BIS, RoHS, and ISO standards, ensuring quality and environmental compliance.



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## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 2048 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|             |                  |
|-------------|------------------|
| USB 3.2     | 2                |
| USB 2.0     | 2                |
| Serial Port | 1 DB9 male RS232 |

### NETWORKING

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

### 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 | FreeDOS |
|------------------|---------|

## Ordering Information

| PRODUCT CODE                                           |                                                                                                                          |                                                                                                   |                                                               |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| R-i5_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                                                                                                          |                                                                                                   |                                                               |
| RAM                                                    | <b>4</b> = 4GB DDR4<br><b>32_32</b> = 64GB DDR4 RAM (2 x 32GB)                                                           | <b>8</b> = 8GB DDR4<br><b>16_16</b> = 32GB DDR4 RAM (2 x 16GB)                                    | <b>16</b> = 16GB DDR4<br><b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) |
|                                                        | <b>32</b> = 32GB DDR4                                                                                                    |                                                                                                   |                                                               |
| SSD                                                    | <b>m128</b> = 128GB<br><b>m512</b> = 512GB<br><b>m2048</b> = 2TB<br><b>S128</b> = 128GB                                  | <b>m256</b> = 256GB<br><b>m1024</b> = 1TB<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>110</b> = Windows 11 Professional<br><b>U</b> = Ubuntu Linux | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>Thinix</b> = Thinix™ Embedded 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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