



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## Dual LAN

## 16GB DDR4 RAM

## 256GB SSD

## No WiFi

## Thinux Embedded Linux

## DB9 Serial



SKU: R-I3\_12L-16-M256-12\_5-X-THINUX-1S

Your dedicated edge, made simple.

Engineered for reliability in demanding environments, the Thinvent Neo R/4 Mini PC is the robust, no-nonsense computing core for your industrial applications. Its compact, rugged steel design delivers powerful performance without the bulk, perfect for installations where space is at a premium and stability is non-negotiable.

### Built for purpose, not just power

- Deploy with confidence in kiosks, digital signage, or control panels, knowing its industrial-grade components are designed for continuous operation.

- Connect and control legacy machinery and modern equipment seamlessly with dual Gigabit Ethernet and a dedicated serial port, ensuring seamless integration into your existing infrastructure.
- Simplify remote management and reduce on-site visits with its dedicated embedded OS, featuring secure remote access and browser-based administration tools.
- Enjoy peace of mind with a fanless, low-power design that runs silently and reliably in a wide range of temperatures, minimising maintenance and downtime.

Choose the Thinvent Neo R/4 for a steadfast, focused computing solution that just works, day in and day out.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 16 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   | 5 Amps                                       |
| Power Input  | 100~240 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 | 1.59kg, 2.01kg        |

### OPERATING SYSTEM

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

## Ordering Information

| PRODUCT CODE   |  |
|--|--|
| <b>R-i3_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b> |  |
| <b>RAM</b>   | <b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4<br><b>64</b> = 64GB DDR4   |
| <b>SSD</b>   | <b>m128</b> = 128GB <b>m256</b> = 256GB<br><b>m32</b> = 32GB <b>m512</b> = 512GB<br><b>m1024</b> = 1TB <b>S32</b> = 32GB MLC<br><b>S128</b> = 128GB <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 <b>W_OS</b> = Without OS<br><b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro<br><b>Thinix</b> = Thinix™ Embedded Linux <b>U</b> = Ubuntu Linux |
| <b>Accessories</b>   | <b>0</b> = None <b>KM</b> = Keyboard and Mouse set<br><b>1S</b> = DB9 Serial <b>MK</b> = Mechanical Keyboard<br><b>Mo</b> = Wired Optical Scroll Mouse                       |

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

**R&D and Manufacturing**  
 #11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
 UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

