



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 4GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Thinix Embedded Linux

## DB9 Serial

SKU: R-I3\_12-4-M1024-12\_5-M-THINUX-1S



Unleash Productivity with Compact Power and Unrivaled Versatility.

The Thinvent® Neo R/4 Mini PC is engineered for demanding environments where space is premium, but performance cannot be compromised. Experience lightning-fast responsiveness and seamless multitasking with its Intel® Core™ i3-1215U 6-core processor, boosting up to 4.4 GHz, complemented by a massive 32GB DDR4 RAM and a rapid 256GB SSD.

### Connectivity for Every Need

- Versatile display options with HDMI and VGA.
- Ample peripheral connections via two USB 3.2 and two USB 2.0 ports.
- Essential legacy support with a DB9 male RS232 serial port.
- Blazing-fast wired networking with 1000 Mbps Ethernet.
- Integrated dual-band Wi-Fi 5 (802.11ac) for reliable wireless access.

### Powered by Thinvent® Thinix™ Embedded Linux

- Enjoy a secure, stable, and low-maintenance operating environment.

- Comprehensive remote access and management: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Intuitive browser-based remote management.
- Essential productivity tools: Chromium and Mozilla Firefox browsers, LibreOffice, and PDF viewer.
- Multimedia capabilities with MPEG4 support.
- Robust communication with SIP video and voice over IP.
- Flexibility for custom applications with Java, Python, and glibc support.

### Built for Durability and Efficiency

- Robust steel housing with a sleek black powder-coated finish.
- Ultra-compact (198mm × 200mm × 73mm) and lightweight at just 110 grams.
- Reliable operation in diverse conditions (0°C ~ 40°C).
- Certified for quality and compliance: BIS, RoHS, ISO.
- Flexible power input (100~275V AC) with a 2-metre cable.



## 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     | 4 GB    |
| SSD Storage     | 1024 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                |
| USB 2.0      | 2                |
| Serial Port  | 1 DB9 male RS232 |
| RS485 Option | 1                |

### NETWORKING

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|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### 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   |  |              |  |
|--|--|--------------|--|
| R-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |  |              |  |
| RAM  | 4 = 4GB DDR4<br>64 = 64GB DDR4   | 8 = 8GB DDR4 | 16 = 16GB DDR4<br>32 = 32GB DDR4                               |
| SSD  | m128 = 128GB<br>m32 = 32GB<br>m1024 = 1TB<br>S128 = 128GB                  |              | m256 = 256GB<br>m512 = 512GB<br>S32 = 32GB MLC<br>S256 = 256GB |
| Wireless   | m = Dual Band WiFi   |              | X = No WiFi  |
| OS   | DOS = DOS<br>11V = Windows 11 IoT Value<br>Thinix = Thinix™ Embedded Linux |              | W_OS = Without OS<br>11P = Windows 11 Pro<br>U = Ubuntu Linux  |
| Accessories  | 0 = None<br>1S = DB9 Serial<br>Mo = Wired Optical Scroll Mouse             |              | KM = Keyboard and Mouse set<br>MK = Mechanical Keyboard        |

[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

