



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## No WiFi

## Thinux Embedded Linux

## DB9 Serial



SKU: R-I3\_12-32-M512-12\_5-X-THINUX-1S

### Precision Engineered Performance in a Mini Footprint.

Introducing the Thinvent® Neo R/4 Mini PC: a compact powerhouse designed for uncompromising reliability and specialized applications. Experience unparalleled speed and efficiency in a remarkably small form factor.

Unleash exceptional computing power with the Intel® Core™ i3-1215U processor, featuring 6 cores, a turbo boost up to 4.4 GHz, and 10 MB cache. Multitask effortlessly and handle demanding workloads thanks to a massive 64GB DDR4 RAM. The lightning-fast 512GB SSD ensures rapid boot times and instant application loading, keeping your operations seamless.

#### Robust Connectivity & Industrial Readiness

- Secure, high-speed wired networking with 1000 Mbps Ethernet. No WiFi ensures enhanced security and stable connections for critical environments.
- Essential legacy support with a dedicated DB9 male RS232 serial port, perfect for industrial automation and specialized peripherals.
- Versatile display options: 1x HDMI and 1x VGA for dual-monitor setups.
- Ample peripheral and audio connectivity: 2x USB 3.2, 2x USB 2.0, Speaker Out, and Mic In.

#### Powered by Thinux™ Embedded Linux

- Enjoy a secure, optimized, and stable operating environment.
- Comprehensive remote management: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Browser-based remote management for ease of access.
- Integrated productivity tools: LibreOffice, PDF viewer, Chromium, and Mozilla Firefox.
- Support for Java, Python, and glibc based custom applications.
- Multimedia capabilities including MPEG4 player and SIP video/voice over IP.

#### Designed for Durability

- Ultra-compact dimensions (198mm x 200mm x 73mm) and a remarkably lightweight 110 grams.
- Durable steel housing with a sleek black powder-coat finish for long-lasting performance.
- Wide operating temperature (0°C ~ 40°C) and humidity range, with BIS, RoHS, and ISO certifications affirming its quality and reliability.

The Thinvent® Neo R/4 Mini PC is your ideal solution for thin client, industrial, kiosk, and embedded applications where performance, security, and stability are paramount.





# 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	32 GB
SSD Storage	512 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
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### 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. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

## Ordering Information

PRODUCT CODE			
<b>R-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>			
<b>RAM</b>	<b>4</b> = 4GB DDR4 <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 <b>m32</b> = 32GB <b>m1024</b> = 1TB <b>S128</b> = 128GB		<b>m256</b> = 256GB <b>m512</b> = 512GB <b>S32</b> = 32GB MLC <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>11V</b> = Windows 11 IoT Value <b>Thinix</b> = Thinix™ Embedded Linux		<b>W_OS</b> = Without OS <b>11P</b> = Windows 11 Pro <b>U</b> = Ubuntu Linux
<b>Accessories</b>	<b>0</b> = None <b>1S</b> = DB9 Serial <b>Mo</b> = Wired Optical Scroll Mouse		<b>KM</b> = Keyboard and Mouse set <b>MK</b> = Mechanical Keyboard

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