



# 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

## Dual Band WiFi

## Without OS

## DB9 Serial

SKU: R-I3\_12-32-M512-12\_5-M-W\_OS-1S



Unleash unparalleled power in a featherlight package.

### Introducing the Thinvent Neo R/4 Mini PC

Discover the Thinvent® Neo R/4, a compact powerhouse engineered for peak performance and adaptability. This innovative Mini PC redefines efficiency, delivering enterprise-grade capabilities in an incredibly small footprint, perfect for demanding industrial, commercial, or specialized computing environments.

#### Core Performance

Experience blazing-fast computing with the Intel® Core™ i3-1215U processor, boasting 6 cores and burst speeds up to 4.4 GHz, complemented by a generous 10 MB cache for seamless multitasking. A massive 64GB DDR4 RAM ensures smooth operation even with heavy applications, while the 32GB MLC SSD provides rapid boot-ups and quick application loading for reliable performance.

#### Comprehensive Connectivity

##### The Neo R/4 is equipped for any setup, offering

- Dual display support: HDMI and VGA ports
- Versatile USB access: 2x USB 3.2 and 2x USB 2.0 for all your peripherals
- Critical legacy integration: A dedicated DB9 RS232 serial port, ideal for industrial controls and specialized hardware

- Robust networking: Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless connectivity

#### Engineered for Durability & Portability

##### Designed for ultimate flexibility and longevity, this Mini PC features

- Ultra-compact dimensions: Measuring just 198mm x 200mm x 73mm
- Astonishingly lightweight: Weighing an incredible 110 grams, allowing for easy deployment anywhere
- Robust construction: A sleek black steel housing with a durable powder coating

#### Reliability & Customization

Operating reliably within 0°C to 40°C and holding BIS, RoHS, and ISO certifications, the Neo R/4 guarantees quality and environmental compliance. Provided without an operating system, it offers the freedom to install your preferred software solution, making it ideal for specialized applications, embedded systems, or custom deployments. Elevate your workspace with the Thinvent® Neo R/4 – where power meets portability.





## 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
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	Without OS
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## 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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