



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 64GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Ubuntu Linux

## DB9 Serial

SKU: R-13\_13-64-M1024-12\_5-M-U-1S



Power in Your Palm, Performance for Every Purpose.

Experience robust computing without compromise with the Thinvent® Neo R/4 Mini PC. Engineered for efficiency and reliability, this compact powerhouse is your ideal solution for diverse professional and personal applications, delivering speed and stability in a remarkably small footprint.

### Unleash Productivity

- Driven by an Intel® Core™ i3-1315U processor, featuring 6 cores and turbo speeds up to 4.5 GHz, ensuring smooth multitasking and responsive performance with a 10 MB cache.
- 4GB DDR4 RAM provides efficient operation, while the 32GB MLC SSD guarantees rapid boot-ups and swift application loading.

### Seamless Connectivity

- Connect to any display with dedicated HDMI and VGA outputs.
- Four USB ports (2x USB 3.2, 2x USB 2.0) accommodate all your peripherals.
- Stay connected with integrated dual-band Wi-Fi 5 (802.11ac) or a blazing-fast 1000 Mbps Ethernet port.

- A dedicated DB9 Serial port ensures compatibility with specialized or legacy industrial equipment.

### Built for Endurance

- Housed in durable, black powder-coated steel, the Neo R/4 is designed to withstand demanding environments.
- Certified with BIS, RoHS, and ISO, ensuring quality and safety.
- Operates reliably from 0°C to 40°C in 20% ~ 80% RH non-condensing humidity.

### Smart & Secure OS

- Pre-installed with Ubuntu Linux 24.04 LTS, providing a secure, stable, and open-source computing experience right out of the box.

### Compact Efficiency

- Weighing a mere 110 grams and incredibly compact at 198mm x 200mm x 73mm, it fits seamlessly into any workspace.
- Efficient 12V 7A adapter with a wide 100~275V AC input ensures global compatibility and low power consumption.





## Specifications

### PROCESSING

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Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	64 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

### 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	1.52kg, 1.94kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

### PRODUCT CODE

**R-i3\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

<b>RAM</b>	<b>4</b> = 4GB DDR4	<b>8</b> = 8GB DDR4	<b>16</b> = 16GB DDR4	<b>32</b> = 32GB DDR4
	<b>64</b> = 64GB DDR4			
<b>SSD</b>	<b>m128</b> = 128GB		<b>m256</b> = 256GB	
	<b>m32</b> = 32GB		<b>m512</b> = 512GB	
	<b>m1024</b> = 1TB		<b>S32</b> = 32GB MLC	
	<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	
	<b>11V</b> = Windows 11 IoT Value		<b>11P</b> = Windows 11 Pro	
	<b>Thinux</b> = Thinux™ Embedded Linux		<b>U</b> = Ubuntu Linux	
<b>Accessories</b>	<b>0</b> = None		<b>KM</b> = Keyboard and Mouse set	
	<b>1S</b> = DB9 Serial		<b>MK</b> = Mechanical Keyboard	
	<b>Mo</b> = Wired Optical Scroll Mouse			

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