

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 16GB DDR4 RAM

## 256GB SSD

## No WiFi

## Ubuntu Linux

## DB9 Serial



SKU: R-I3\_13-16-M256-12\_5-X-U-1S

Unleash robust performance in a compact, industrial-grade package.

Discover the Thinvent® Neo R/4 Mini PC: Your reliable powerhouse for demanding applications, built for stability and precision. Engineered with a focus on performance and durability, this mini PC is ideal for industrial control, point-of-sale, digital signage, and specialized embedded systems where wired reliability is paramount.

### Uncompromising Performance

- Experience swift multitasking and efficient processing with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz.
- A generous 10 MB cache ensures rapid data access, enhancing overall system responsiveness.
- Seamlessly run your critical applications with 8GB DDR4 RAM.
- Boot up instantly and access files quickly from the lightning-fast 128GB SSD.

### Industrial-Grade Connectivity and Reliability

- Interface with legacy systems and specialized peripherals effortlessly via the dedicated DB9 male RS232 serial port.
- Benefit from rock-solid network stability and security with the integrated 1000 Mbps Ethernet port – no WiFi ensures a focused, secure wired environment.

- Connect your displays with versatile HDMI and VGA outputs.
- Four USB ports (2x USB 3.2, 2x USB 2.0) provide ample connectivity for all your peripherals.
- Audio input and output ports offer complete multimedia integration.
- Powered by a robust 12V 7A adapter, designed for consistent operation within 100~275 Volts AC input.

### Built to Endure

- Housed in a durable steel chassis with a sleek black powder coating, the Neo R/4 is designed to withstand challenging environments.
- With a compact footprint of 198mm x 200mm x 73mm and an incredibly light weight of 110 grams, it integrates seamlessly into any setup.
- Certified to BIS, RoHS, and ISO standards, ensuring quality, safety, and environmental compliance.

### Optimized with Ubuntu Linux

- Enjoy the stability, security, and versatility of Ubuntu Linux 24.04 LTS, pre-installed and ready for your custom applications and development needs.





# Thinvent Neo R/4 Mini PC



## 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	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
USB 2.0	2
Serial Port	1 DB9 male RS232

### 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	1.52kg, 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>Thinix</b> = Thinix™ 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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