



# Thinvent Neo R/4 Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Ubuntu Linux

## DB9 Serial

SKU: R-15\_14-16-M256-12\_5-M-U-1S



Unleash Mighty Performance in a Mini Footprint.

Discover the Thinvent Neo R/4, a compact powerhouse engineered for efficiency and reliability. This Mini PC redefines desktop computing with its robust performance and versatile connectivity, perfect for both demanding business environments and sophisticated home setups.

### Core Performance

- Experience lightning-fast operations with the Intel Core 5 120U processor, boasting 10 cores and clocking up to an impressive 5.0 GHz with a 12 MB cache.
- Multitask seamlessly with 8GB DDR4 RAM and enjoy rapid boot times and application loading from the durable 32GB MLC SSD.

### Connectivity & Flexibility

- Drive up to three displays simultaneously with dual HDMI and a VGA port.
- Connect all your peripherals via 2x USB 3.0 and 2x USB 2.0 ports.
- Ensure stable network access with 1000 Mbps Gigabit Ethernet or utilize high-speed, dual-band Wi-Fi 5 (802.11ac) for wireless freedom.

- Bridge legacy systems with the integrated DB9 RS232 serial port, a crucial feature for industrial control or specialized equipment.
- Benefit from a dedicated speaker out and mic in port for audio needs.

### Built for Reliability

- Pre-installed with Ubuntu Linux 24.04 LTS, providing a secure, stable, and customizable open-source operating system.
- Encased in a sturdy, powder-coated black steel housing (198mm x 200mm x 73mm) weighing a mere 110 grams, it's designed for durability and discreet placement.
- Certified with BIS, RoHS, and ISO, guaranteeing quality and environmental compliance.
- Operates dependably in temperatures from 0°C to 40°C with 20% to 80% RH non-condensing humidity.

### Power & Convenience

- A 12V 7A adapter with a 2-meter cable ensures stable power delivery, supporting wide AC input (100~275 Volts).

The Thinvent Neo R/4 is your ultimate solution for powerful, reliable computing in a tiny package.





## Specifications

### PROCESSING

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Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	256 GB

### DISPLAY

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HDMI	2
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1

### CONNECTIVITY

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USB 3.0	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	1.23kg, 1.65kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

PRODUCT CODE			
<b>R-i5_14-[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>Thinux</b> = Thinux™ 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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