

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 Pro

## DB9 Serial



SKU: R-I5\_14-16-M512-12\_5-X-11P-1S

Thinvent® Neo R/4: Redefine powerful computing in a miniature footprint.

Experience unparalleled performance and rock-solid reliability with the Thinvent® Neo R/4 Mini PC, engineered for demanding environments and sophisticated applications. This compact powerhouse delivers robust computing where space and steadfast operation are critical.

### Blazing Performance

- Driven by the Intel® Core™ 5 120U processor, featuring 10 cores and clocking up to 5.0 GHz with 12 MB cache, it handles intensive tasks with ease.
- Conquer complex workflows and multitask seamlessly with a massive 64GB DDR4 RAM.
- Enjoy lightning-fast boot-ups and instantaneous data access thanks to the 512GB SSD.

### Versatile Connectivity

- Equip your setup with extensive display options: 2 HDMI ports and 1 VGA port for multi-monitor productivity.
- Integrate effortlessly with legacy and industrial systems via the dedicated DB9 male RS232 Serial Port.
- Benefit from secure and high-speed networking with 1000 Mbps Ethernet for critical wired connections.

- Connect all your peripherals with 2 USB 3.0 and 2 USB 2.0 ports, plus dedicated speaker out and mic in jacks.

### Industrial Grade Durability

- Built to last, its robust black steel housing with powder coating ensures longevity.
- Operating reliably from 0°C to 40°C and 20% to 80% RH (non-condensing), it's ideal for various conditions.
- With BIS, RoHS, and ISO certifications, trust in its quality and environmental compliance.
- Incredibly compact at 198mm × 200mm × 73mm and just 110 grams, it fits anywhere without compromise.

### Ready for Business

- Pre-installed with Windows 11 Pro, it offers advanced security features, a modern interface, and enterprise-grade manageability.
- The 12V 7A adapter with a 2-meter cable provides stable power input (100~275 Volts AC).

The Thinvent® Neo R/4 is your ultimate solution for industrial control, digital signage, kiosks, point-of-sale systems, or any scenario demanding high performance and unwavering stability in a minimalist design.



# Thinvent Neo R/4 Mini PC



## 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	512 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
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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	1.23kg, 1.65kg

### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 Pro
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## Ordering Information

### PRODUCT CODE

**R-i5\_14-[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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