

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## No WiFi

## Without OS

## DB9 Serial



SKU: R-I5\_14-32-M512-12\_5-X-W\_OS-1S

Thinvent® Neo R/4: Compact Power, Unyielding Performance.

Experience uncompromising reliability and powerful performance with the Thinvent® Neo R/4 Mini PC, engineered for demanding industrial and specialized applications. This robust system packs a punch with its Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz, backed by a generous 12 MB cache for exceptional multitasking and responsiveness.

### Seamless Operation

- Power through your applications with 16GB DDR4 RAM.
- Enjoy ultra-fast boot times and reliable operation from the 32GB MLC SSD.

### Connectivity & Control

- Connect multiple displays with 2 HDMI and 1 VGA port.
- Access legacy devices and industrial controls via the essential 1 DB9 male RS232 serial port.
- Benefit from secure, high-speed networking with 1000 Mbps Ethernet.

- Utilize 2 USB 3.0 and 2 USB 2.0 ports for all your peripherals.
- Integrated speaker out and mic in for audio needs.

### Built for Durability

- Housed in a durable, black powder-coated steel chassis, measuring just 198mm × 200mm × 73mm and weighing only 110 grams.
- Designed to operate reliably in challenging environments from 0°C to 40°C and 20% to 80% non-condensing humidity.
- A wide-ranging 100~275V AC power input (with 12V 7A adapter) ensures stable operation.
- Certified for quality and compliance with BIS, RoHS, and ISO standards.

### Customizable Foundation

- Arrives without an operating system, offering a clean slate for tailored software installations.
- No WiFi ensures a secure, controlled network environment, ideal for critical infrastructure.



# 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	32 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	Without OS
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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>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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