



# Thinvent Neo R/4 Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 1TB SSD

## No WiFi

## Windows 11 IoT Value

SKU: R-I5\_14-16-M1024-12\_5-X-11V-0



Unleash uncompromising performance in a compact, purpose-built design.

The Thinvent® Neo R/4 Mini PC delivers robust computing power for demanding business and industrial applications. Engineered for peak efficiency and unwavering reliability, this mini powerhouse integrates cutting-edge technology into a durable, space-saving footprint.

### Exceptional Performance

- Powered by the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with a generous 12 MB cache, ensuring seamless multitasking and rapid data processing.
- Experience unparalleled responsiveness with 32GB DDR4 RAM for smooth operation of intensive applications.
- Boot up in an instant and access your critical data at lightning speed with the integrated 128GB SSD.

### Built for Reliability

- Designed for secure and stable connectivity, featuring a dedicated 1000 Mbps Ethernet port for robust wired networking, with no WiFi for enhanced security.

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a stable, long-term supported operating system tailored for commercial and industrial environments.
- Housed in a durable steel chassis with a power-coated black finish, it's built to withstand challenging conditions and operates reliably across 0°C to 40°C.

### Versatile Connectivity

- Connect multiple displays with 2 HDMI ports and 1 VGA port.
- Expand your peripheral options with 2 USB 3.0 and 2 USB 2.0 ports, along with dedicated speaker out and mic in jacks.

### Compact and Efficient

- Measuring just 198mm x 200mm x 73mm and weighing only 110 grams, it fits almost anywhere.
- Energy-efficient with a 12V 7A adapter and a wide 100~275V AC power input range, including a 2-metre cable.

### Quality and Compliance

- BIS, RoHS, and ISO certified, ensuring adherence to the highest standards of quality and environmental responsibility.



## 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	1024 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

### 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 IoT Enterprise LTSC 2024 Value
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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>8</b> = 8GB DDR4	<b>16</b> = 16GB DDR4
	<b>64</b> = 64GB DDR4		<b>32</b> = 32GB 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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