



# Thinvent Neo R/4 Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## Dual LAN

## 64GB DDR4 RAM

## 256GB SSD

## No WiFi

## Windows 11 IoT Value

## DB9 Serial



SKU: R-I5\_12L-64-M256-12\_7-X-11V-1S

Unleash industrial reliability in a compact powerhouse.

### Built for the long haul

Designed for demanding 24/7 operation, the Thinvent® Neo R/4 is your steadfast partner in industrial automation and digital signage. Its robust, fanless steel construction ensures silent, reliable performance in environments where dust and vibration are a fact of life.

### Power where it counts

Harness the efficient multitasking power of 12th Gen Intel® processing to drive complex processes, manage multiple displays, or run your critical control software without hesitation. Dual Gigabit Ethernet ports provide essential network redundancy and connectivity for PLCs and other equipment.

### Ready for legacy and modern systems

Seamlessly integrate with both new and existing infrastructure. The dedicated DB9 serial port offers direct, hassle-free communication with legacy machinery, while modern I/O handles today's peripherals. Pre-installed with a streamlined Windows 11 IoT OS, it's secure and ready for your application out of the box.

### Simplify your deployment

Its mini form factor and versatile 12V DC power input allow for flexible, space-saving installation almost anywhere—from control cabinets to kiosks to retail point-of-sale. Deploy a solution that works tirelessly so you can focus on what matters most.



## Specifications

### PROCESSING

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Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 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
Serial Port	1 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
Ethernet Ports	2

### POWER

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DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	1.72kg, 2.13kg

### 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_12l-[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>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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