



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 64GB DDR4 RAM

## 256GB SSD

## No WiFi

## Windows 11 IoT Value

SKU: R-I3\_12-64-M256-12\_5-X-11V-0



### Thinvent Neo R/4: Unrivaled Performance, Uncompromised Reliability.

Experience the next generation of compact computing with the Thinvent® Neo R/4 Mini PC. Engineered for demanding environments, this powerful device delivers enterprise-grade performance in an ultra-miniature, robust design, making it the ideal solution for industrial, commercial, and embedded applications.

#### Core Performance

- Driven by the Intel® Core™ i3-1215U processor with 6 cores, up to 4.4 GHz, and 10 MB cache, it effortlessly handles complex tasks.
- Multitask without limits thanks to an expansive 32GB DDR4 RAM.
- Enjoy lightning-fast boot-ups and application loading from the responsive 256GB SSD.

#### Built for Stability

- Benefit from the enhanced security and long-term stability of Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, optimized for dedicated functions.

- Ensure steadfast network integrity with a dedicated 1000 Mbps Ethernet connection, perfectly suited for environments requiring secure, wired connectivity without WiFi.
- Its durable steel housing with a professional power-coated black finish (198mm x 200mm x 73mm) protects internal components, while an astonishingly light 110-gram weight allows for flexible integration. Power is supplied via a robust 12V 7A adapter with wide 100~275V AC input.

#### Versatile Connectivity

- Connect dual displays via HDMI and VGA for extended workspaces.
- Four USB ports (2x USB 3.2, 2x USB 2.0), speaker out, and mic in offer comprehensive peripheral support.

#### Certified Quality

- Rest assured with BIS, RoHS, and ISO certifications, guaranteeing quality and environmental compliance.

The Thinvent Neo R/4 is your compact powerhouse for mission-critical operations.



## Specifications

### PROCESSING

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Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 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
USB 2.0	2
RS485 Option	1

### 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	1.59kg, 2.01kg

### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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## Ordering Information

### PRODUCT CODE

**R-i3\_12-[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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