



# Thinvent Neo R/4 Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 8GB DDR4 RAM

## 32GB SSD

## No WiFi

## Thinux Embedded Linux

## DB9 Serial



SKU: [R-I5\\_12-8-M32-12\\_7-X-THINUX-1S](#)

### Beyond Desktop: The Future of Embedded Computing.

Introducing the Thinvent® Neo R/4 Mini PC, a compact powerhouse engineered for demanding embedded and industrial applications. This robust mini PC combines cutting-edge Intel Core i5 performance with industrial-grade reliability, all in an ultra-lightweight, durable steel chassis.

#### Unmatched Performance

- Driven by the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz with a 12 MB cache, ensuring lightning-fast multi-tasking and processing power.
- Equipped with 4GB DDR4 RAM and a swift 512GB SSD for rapid boot-ups, quick application loading, and ample storage.

#### Thinvent® Thinux™ OS Advantage

- Experience the secure and highly optimized Thinux™ Embedded Linux, tailored for efficiency and remote management.
- Features include:
  - Built-in Chromium and Mozilla Firefox browsers.
  - Advanced remote access with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.

- Seamless browser-based remote management and VNC shadowing for easy administration.
- Support for Java, Python, and glibc based custom applications.
- Integrated LibreOffice, PDF viewer, and MPEG4 multimedia player.
- SIP video and voice over IP capabilities for modern communication.

#### Industrial Connectivity & Durability

- Essential DB9 serial port for legacy systems and industrial control.
- Reliable 1000 Mbps Ethernet ensures stable network connectivity, ideal for environments where wireless interference is a concern.
- Connect dual displays via HDMI and VGA.
- Four USB ports (2x 3.2, 2x 2.0) offer versatile peripheral connections.
- Housed in a black powder-coated steel chassis (198mm x 200mm x 73mm), built to withstand operational demands.
- Operates reliably from 0°C to 40°C and is BIS, RoHS, ISO certified for quality and compliance.

Power your operations with confidence.





## 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	8 GB
SSD Storage	32 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
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	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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

## Ordering Information

PRODUCT CODE	
<b>R-i5_12-[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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