



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 64GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Thinix Embedded Linux

## DB9 Serial

SKU: R-I3\_12-64-M128-12\_5-M-THINUX-1S



Unleash Productivity with Compact Power and Unrivaled Versatility.

The Thinvent® Neo R/4 Mini PC is engineered for demanding environments where space is premium, but performance cannot be compromised. Experience lightning-fast responsiveness and seamless multitasking with its Intel® Core™ i3-1215U 6-core processor, boosting up to 4.4 GHz, complemented by a massive 32GB DDR4 RAM and a rapid 256GB SSD.

### Connectivity for Every Need

- Versatile display options with HDMI and VGA.
- Ample peripheral connections via two USB 3.2 and two USB 2.0 ports.
- Essential legacy support with a DB9 male RS232 serial port.
- Blazing-fast wired networking with 1000 Mbps Ethernet.
- Integrated dual-band Wi-Fi 5 (802.11ac) for reliable wireless access.

### Powered by Thinvent® Thinix™ Embedded Linux

- Enjoy a secure, stable, and low-maintenance operating environment.

- Comprehensive remote access and management: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Intuitive browser-based remote management.
- Essential productivity tools: Chromium and Mozilla Firefox browsers, LibreOffice, and PDF viewer.
- Multimedia capabilities with MPEG4 support.
- Robust communication with SIP video and voice over IP.
- Flexibility for custom applications with Java, Python, and glibc support.

### Built for Durability and Efficiency

- Robust steel housing with a sleek black powder-coated finish.
- Ultra-compact (198mm × 200mm × 73mm) and lightweight at just 110 grams.
- Reliable operation in diverse conditions (0°C ~ 40°C).
- Certified for quality and compliance: BIS, RoHS, ISO.
- Flexible power input (100~275V AC) with a 2-metre cable.



## 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	128 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
RS485 Option	1

### NETWORKING

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Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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	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-i3_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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