



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 8GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## DOS

## DB9 Serial

SKU: R-I3\_12-8-M128-12\_5-M-DOS-1S



Unleash Mighty Performance in a Featherlight Form Factor.

Elevate your computing experience with the Thinvent® Neo R/4 Mini PC, engineered for power and portability. This ultra-compact marvel packs a serious punch, making it ideal for everything from demanding business applications and industrial control to a sleek, powerful home office setup.

### Core Performance

- Experience exceptional speed with the Intel® Core™ i3-1215U processor, featuring 6 cores and burst speeds up to 4.4 GHz, backed by a 10 MB cache for seamless multitasking.
- Tackle intensive workloads with an astounding 64GB DDR4 RAM, ensuring liquid-smooth operation for virtual machines, large datasets, and simultaneous applications.
- Benefit from rapid boot times and responsive application loading with 128GB of high-speed SSD storage.

### Versatile Connectivity

- Connect to a wide array of peripherals and displays with dual HDMI and VGA outputs.
- Stay connected with lightning-fast 1000 Mbps Ethernet and reliable dual-band Wi-Fi 5 (802.11ac).

- Access legacy systems or industrial equipment effortlessly via the dedicated DB9 RS232 serial port.
- Enjoy comprehensive peripheral support with 2x USB 3.2 and 2x USB 2.0 ports, along with speaker out and mic in.

### Robust Design and Flexibility

- Housed in durable, powder-coated black steel and weighing an astonishing 110 grams, this Mini PC is built to last and integrates effortlessly into any space.
- The flexible FreeDOS operating system provides a clean slate, allowing you to install your preferred OS for tailored control.
- Operates reliably within 0°C to 40°C and 20% to 80% non-condensing humidity, ensuring consistent performance.

### Certified Reliability

- Trust in a product that meets rigorous standards, backed by BIS, RoHS, and ISO certifications.

### Dimensions

- 198mm × 200mm × 73mm





## 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	8 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	FreeDOS
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## 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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