



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

256GB SSD

No WiFi

DOS

DB9 Serial



SKU: R-I3\_12-8\_8-S256-12\_10-X-DOS-1S

Unleash Mighty Performance in a Mini Footprint.

Experience robust power and unmatched reliability with the Thinvent® Neo R/4 Mini PC. Engineered for demanding applications, this compact powerhouse excels where space and stability are paramount.

### Core Performance

- Powered by an Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache), ensuring swift multitasking and efficient data processing.
- Navigate applications effortlessly with 16GB DDR4 RAM and enjoy lightning-fast boot times and responsive operations from the 256GB SSD.

### Connectivity & Control

- Designed for secure, wired environments, the Neo R/4 features no Wi-Fi, ideal for sensitive networks or dedicated setups.
- Integrate seamlessly with industrial equipment using the vital DB9 male RS232 serial port.

- Enjoy versatile display options with HDMI and VGA ports, plus dual USB 3.2 and USB 2.0 for all your peripherals.
- Benefit from rock-solid 1000 Mbps Ethernet for network stability.

### Built for Durability

- Housed in a durable, powder-coated steel chassis, this sleek black Mini PC is built to last.
- Weighing just 110 grams and measuring 198mm x 200mm x 73mm, it integrates effortlessly.
- Powered by a stable 12V 7A adapter with a wide input range, ensuring consistent power.
- Ready for use with FreeDOS, offering flexibility for your chosen operating system.

### Quality Assurance

- Backed by BIS, RoHS, and ISO certifications, guaranteeing premium quality and compliance.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 256 GB  |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|              |                  |
|--------------|------------------|
| USB 3.2      | 2                |
| USB 2.0      | 2                |
| Serial Port  | 1 DB9 male RS232 |
| RS485 Option | 1                |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 10 Amps                                      |
| Power Input  | 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 Metre                                      |

### ENVIRONMENTAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

|                      |                       |
|----------------------|-----------------------|
| 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 | 1.68kg, 2.10kg        |

### OPERATING SYSTEM

|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## Ordering Information

## PRODUCT CODE

R-i3\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

## RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32\_32 = 64GB  
DDR4 RAM (2 x  
32GB)16\_16 = 32GB  
DDR4 RAM (2 x  
16GB)8\_8 = 16GB DDR4  
RAM (2 x 8GB)

## SSD

m128 = 128GB

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

Thinux = Thinux™ Embedded Linux

W\_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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