



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

No WiFi

Windows 11 Pro

DB9 Serial



SKU: R-I3_12-64-M128-12_5-X-11P-1S

Thinvent® Neo R/4 Mini PC: Uncompromising Performance, Unbeatable Reliability, Unbelievably Compact.

Experience robust computing without the bulk. The Thinvent® Neo R/4 Mini PC is engineered for demanding tasks, offering powerful performance in a sleek, steel-clad design. Perfect for business, industrial, or specialized applications, it's your answer to reliable, high-speed operation.

Core Power

- Driven by an Intel® Core™ i3-1215U processor with 6 cores, achieving speeds up to 4.4 GHz, it effortlessly handles multitasking and intensive applications.
- A 10 MB cache ensures swift data access, keeping your workflow smooth and responsive.

Lightning-Fast Storage and Memory

- Boost your productivity with 4GB DDR4 RAM for efficient memory management.
- A 256GB SSD provides instantaneous boot times and rapid application loading, minimizing wait times.

Essential Connectivity for Every Need

- Integrate legacy systems and industrial peripherals seamlessly with a dedicated DB9 serial port.
- Expand your visual workspace with dual display support via HDMI and VGA.
- Connect all your accessories with 2 USB 3.2 and 2 USB 2.0 ports.
- Ensure stable and secure networking with 1000 Mbps Gigabit Ethernet, ideal for environments prioritizing wired reliability.

Built to Endure

- Housed in durable, black power-coated steel, the Neo R/4 is built for longevity.
- Weighing a mere 110 grams and certified with BIS, RoHS, and ISO, its quality and robustness are guaranteed.
- Operates reliably across a 0°C to 40°C temperature range.

Modern Operating System

- Comes pre-installed with Microsoft Windows 11 Pro, offering enhanced security features and a productive user experience.



Specifications

PROCESSING

| | |
|-----------------|---------|
| 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

| | |
|------|---|
| 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 | 5 Amps |
| Power Input | 100~240 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 | 1.59kg, 2.01kg |

OPERATING SYSTEM

| | |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

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 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB |
| Wireless | m = Dual Band WiFi X = No WiFi |
| OS | DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinix = Thinix™ Embedded Linux U = Ubuntu Linux |
| Accessories | 0 = None KM = Keyboard and Mouse set 1S = DB9 Serial MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse |

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