



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

Windows 11 IoT Value

SKU: R-I3_12-64-M128-12_5-M-11V-0



Unleash Enterprise Power in a Pocket-Sized PC.

Discover the Thinvent® Neo R/4 Mini PC, engineered for peak performance in a remarkably compact form factor. This powerful device is your ultimate solution for reliable, high-speed computing, perfectly suited for business applications, digital signage, and embedded systems.

Performance Prowess

- Driven by the Intel® Core™ i3-1215U processor, featuring 6 cores and burst speeds up to 4.4 GHz with a 10 MB cache, the Neo R/4 delivers exceptional responsiveness and seamless multitasking.
- With 8GB DDR4 RAM, you'll experience smooth operation across demanding applications, while the 32GB MLC SSD ensures lightning-fast boot-ups and rapid data access for consistent productivity.

Seamless Integration and Connectivity

- Expand your workspace with dual display support via HDMI and VGA ports.
- Stay connected with robust Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac), ensuring reliable network access whether wired or wireless.
- A generous array of two USB 3.2 and two USB 2.0 ports provides ample connectivity for all your peripherals.

- Integrated speaker out and mic in capabilities offer comprehensive audio solutions.

Built for Reliability

- Housed in durable, black powder-coated steel, this Mini PC is designed for longevity and a professional aesthetic, operating reliably between 0°C and 40°C.
- Despite its robust construction, the Neo R/4 remains incredibly lightweight at just 110 grams and boasts a compact footprint of 198mm x 200mm x 73mm, offering unparalleled placement flexibility.
- Powering your operations efficiently is a 12V 7A adapter with a wide 100~275V AC input range, backed by a 2-metre cable.

Operating System Optimized for Business

- Pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value, the Thinvent® Neo R/4 provides a secure, stable, and long-term supported platform tailored for dedicated business applications.
- Benefit from industry-recognized quality and environmental compliance with BIS, RoHS, and ISO certifications.

Elevate your operational efficiency with the Thinvent® Neo R/4 – the mini PC that redefines powerful, compact computing.



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 | 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 |
| RS485 Option | 1 |

NETWORKING

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

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 IoT Enterprise LTSC 2024 Value |
|------------------|---|

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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