



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: R-I3_12-16-M256-12_10-M-11V-1S



Thinvent® Neo R/4: Unmatched Power in a Mini PC, Built for Performance and Reliability.

Unleash robust performance with the Thinvent® Neo R/4 Mini PC. Engineered for demanding environments and professional applications, this compact powerhouse delivers exceptional speed and reliability in a space-saving design.

Core Performance

- Experience seamless multitasking and rapid processing with the Intel® Core™ i3-1215U processor, featuring 6 cores and burst speeds up to 4.4 GHz, backed by a 10 MB cache.
- Command immense memory with a massive 64GB DDR4 RAM, ensuring smooth operation even with complex workloads.
- Boot up instantly and access files at lightning speed with the 256GB SSD storage.

Versatile Connectivity

- Connect to a wide array of displays with HDMI and VGA ports.
- Utilize multiple peripherals via 2x USB 3.2 and 2x USB 2.0 ports.
- Integrate legacy systems effortlessly with the dedicated DB9 RS232 serial port, perfect for industrial automation and specialized equipment.

- Stay connected with blazing-fast 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking.
- Enjoy audio flexibility with separate speaker out and mic in jacks.

Built for Endurance

- Housed in robust, power-coated steel, the Neo R/4 is designed for durability and a long operational life.
- Certified with BIS, RoHS, and ISO standards, guaranteeing quality and environmental compliance.
- Operates reliably in temperatures from 0°C to 40°C and 20% to 80% non-condensing humidity.
- A compact 198mm x 200mm x 73mm footprint and a mere 110 grams make it incredibly versatile for deployment anywhere.

Optimized OS

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering enhanced security, stability, and long-term support for embedded and industrial applications.

Power Supply

- Includes a reliable 12V 7A adapter with a 2-meter cable, accepting wide voltage input from 100~275V AC.



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

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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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