



Thinvent Neo R/4 Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

2TB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial



SKU: [R-I5_13-8_8-M2048-12_7-X-11V-1S](#)

Robust Performance, Purpose-Built Precision.

Introducing the Thinvent® Neo R/4 Mini PC, a powerhouse engineered for demanding industrial and specialized applications. This compact workhorse delivers exceptional computing in a durable, space-saving design, making it the ideal choice for environments where reliability and performance are paramount.

Unmatched Performance

- Experience rapid processing with the Intel® Core™ i5-1335U processor, featuring 10 cores and clock speeds up to 4.6 GHz with a 12 MB cache, ensuring smooth multitasking and efficient operation for critical tasks.
- Equipped with 16GB DDR4 RAM and a swift 256GB SSD, the Neo R/4 provides lightning-fast boot-ups and responsive application handling.

Tailored for Industrial Needs

- Seamlessly integrate with legacy systems and specialized peripherals using the dedicated DB9 RS232 serial port.
- Enjoy stable, secure network connectivity with 1000 Mbps Ethernet, perfect for environments requiring reliable wired connections.
- Connect to various displays via HDMI and VGA ports, along with essential audio jacks for speaker out and mic in.

- Versatile peripheral support with two USB 3.2 and two USB 2.0 ports.

Durable and Reliable

- Housed in robust, powder-coated black steel, this mini PC is built to withstand challenging operational environments.
- Its ultra-compact dimensions (198mm × 200mm × 73mm) and lightweight design at just 110 grams ensure easy deployment in tight spaces.
- Operates reliably in temperatures from 0°C to 40°C and humidity between 20% and 80% RH (non-condensing).
- Features a wide range 100~275V AC power input with a 12V 7A DC adapter and BIS, RoHS, ISO certifications, guaranteeing quality and safety.

Optimized Operating System

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

Empower your operations with the Thinvent® Neo R/4 Mini PC – where robust performance meets purpose-built reliability.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	2048 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

NETWORKING

Ethernet	1000 Mbps
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POWER

DC Voltage	12 Volts
DC Current	7 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	1.61kg, 2.03kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

R-i5_13-[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

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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