



Thinvent Neo R/4 Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

8GB DDR5 RAM

32GB MLC SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: R-CU5_14L-8_5-S32-12_5-M-11V-0



Unlock Big Potential in a Tiny Footprint.

The Thinvent® Neo R/4 Mini PC is your powerhouse partner for smart, reliable computing in any environment. Engineered for the demands of modern business, it delivers robust performance where you need it most, without cluttering your space.

Why the Neo R/4 is Your Smart Choice

Designed for seamless integration, this compact computer is the perfect brains behind your operation. From digital signage in retail stores to a central hub for point-of-sale systems, it works tirelessly to keep your business connected and running smoothly. Its industrial-grade build ensures dependable operation day in, day out.

Key Benefits for Your Business

- Maximise efficiency with a compact, fanless design that fits anywhere and runs silently.

- Enjoy versatile connectivity with dual Ethernet ports for network redundancy and fast data transfer.
- Experience reliable, always-on performance with Windows 11 IoT, perfect for dedicated business applications.
- Reduce your total cost of ownership with an energy-efficient design built for 24/7 operation.
- Deploy with confidence, knowing its robust steel housing protects your investment in demanding settings.

Ideal for a Connected World

Transform how you work. The Neo R/4 is the trusted core for kiosks, thin clients, office workstations, and IoT gateways. It's the simple, powerful solution to drive your digital projects forward.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	32 GB

DISPLAY

HDMI 2.0	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
Ethernet Ports	2
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	1.62kg, 2.04kg

OPERATING SYSTEM

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

PRODUCT CODE

R-cu5_14l-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]

RAM

8_5 = 8GB DDR5

16_5 = 16GB DDR5

32_5 = 32GB DDR5

32_5_32_5 = 64GB
DDR5 RAM (2 x
32GB)16_5_16_5 = 32GB
DDR5 RAM (2 x
16GB)

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

Thinix = Thinix™ 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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