



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Windows 11 Pro

SKU: R-I5_12H-16_16-M512-12_10-M-11P-0



Powerful performance in a space-saving chassis that fits anywhere.

Compact power for demanding spaces

- The Thinvent Neo R/4 packs genuine desktop-class processing into a footprint no larger than a book, perfect for cramped retail counters, factory floors, or digital signage installations where every centimetre counts.
- Its energy-efficient 12th Gen Intel Core i5 processor delivers snappy multitasking without the heat or noise of a traditional tower, keeping your workspace cool and quiet.

Your silent workhorse for every environment

- Whether you're running a point-of-sale system, powering an information kiosk, or managing inventory on the shop floor, this mini PC handles the load effortlessly with Windows 11 Pro out of the box.

- Dual-band Wi-Fi and gigabit Ethernet give you flexible connectivity to stay online wherever you place it.

Built to withstand the daily grind

- A robust steel chassis with a powder-coated finish resists knocks, dust, and the occasional spill – ideal for industrial settings that demand reliability around the clock.
- Wide-range power input and ample USB ports let you connect peripherals without extra adaptors, simplifying installation.

Ready for any role

- From a dedicated digital signage player to a secure thin client in an office hotdesking setup, the Neo R/4 adapts to your changing needs with ease.
- Simple VESA mounting option hides it behind a monitor or under a desk, freeing up valuable counter space for your team or customers.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

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	1.72kg, 2.13kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

R-i5_12H-[RAM]-[SSD]-12_10-[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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