



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)

1TB SSD

Dual Band WiFi

Without OS

Thinvent Keyboard and Mouse set

SKU: R-I5_12H-16_16-M1024-12_5-M-W_OS-KM



Powerful performance in a compact, robust package.

Why the Neo R/4 is your next smart investment

- Experience effortless multitasking with the latest 12th-generation Intel Core i5 processor – ideal for running demanding office applications, financial software, or digital signage without a hitch
 - Save precious desk space and reduce clutter with a slim steel chassis that fits neatly behind a monitor or under a counter, making it perfect for busy retail counters, reception areas, or home offices
 - Enjoy whisper-quiet, energy-efficient operation that keeps your electricity bills low and your workspace peaceful – the Neo R/4 draws minimal power while delivering desktop-grade responsiveness
 - Get connected straight out of the box with dual-band WiFi and gigabit Ethernet, ensuring a stable network connection whether you're streaming content, managing cloud tasks, or handling remote support
 - Benefit from rugged build quality designed for continuous daily use in commercial environments – the powder-coated steel housing shrugs off bumps and dust, so your system stays reliable year after year
 - Receive a complete productivity kit with a matching Thinvent keyboard and mouse, letting you start work immediately without hunting for peripherals
- Ideal for point-of-sale systems, information kiosks, light industrial control, or as a cost-effective replacement for ageing desktops, the Neo R/4 delivers solid performance in a space-saving form. Supplied without an operating system, it gives you the freedom to install your preferred OS and customise it to your exact workflow.



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	1024 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	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	2.14kg, 2.56kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Without OS
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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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