



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Ubuntu Linux

Thinvent Keyboard and Mouse set

SKU: R-I5_12H-16-M512-12_7-M-U-KM



Powerful performance meets compact practicality.

Why choose the Thinvent Neo R/4 Mini PC

- Unlock desktop-class power in a footprint that fits almost anywhere – from crowded office desks to home entertainment centres
- The 12th generation Intel Core i5 processor handles demanding business applications, multitasking and media streaming without breaking a sweat
- Ubuntu Linux 24.04 LTS delivers a stable, secure and cost-effective operating system for developers, IT professionals and small businesses
- Built for reliable 24/7 operation in real-world environments, with a robust powder-coated steel chassis that withstands continuous use
- Effortless connectivity with dual-band Wi-Fi and Gigabit Ethernet lets you stay online whether you're in a modern office or a legacy setup

- Comprehensive I/O includes HDMI, VGA, USB 3.2 and USB 2.0 ports, making it simple to connect dual displays, peripherals and legacy equipment
- Ideal for point-of-sale systems, digital signage, thin client deployments, industrial kiosks or a space-saving home office PC
- Ready out of the box with a keyboard and mouse set, so you can start working immediately – no hidden extras needed
- Low power consumption and fanless operation keep it quiet and efficient, saving energy and reducing noise in sensitive environments

For a dependable, full-featured mini PC that balances performance, connectivity and value, the Neo R/4 is the smart choice for professionals who refuse to compromise on space or reliability.



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	16 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	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	2.23kg, 2.65kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

R-i5_12H-[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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