



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

128GB SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: R-I5_12H-16-M128-12_7-M-DOS-KM



Powerful performance in a compact package: perfect for modern business.

Designed for the professional who demands both space-saving design and serious processing power, the Thinvent Neo R/4 Mini PC brings Intel's 12th generation Core i5 muscle to your desk without taking up any of it. Whether you're running office productivity suites, handling digital signage, or managing point-of-sale systems, this little machine punches well above its weight.

Ready to work straight out of the box: it comes with a full-sized keyboard and mouse set, plus an efficient 12V power adapter. The included FreeDOS operating system gives you the freedom to install your preferred OS, so you're in control from the start.

Why choose the Neo R/4?

- Exceptional value: you get a 12th-gen processor with eight cores and turbo speeds up to 4.4 GHz – power that typically costs more in a bigger chassis, yet here it's delivered in a slim, steel housing that fits neatly behind a monitor or under a counter.

- Versatile connectivity: dual-band Wi-Fi, Gigabit Ethernet, HDMI, VGA, and multiple USB ports mean you can connect displays, legacy peripherals, and network devices without adaptors. Perfect for retail, healthcare, or education environments where flexibility is key.
- Reliable and quiet: the fanless design? Actually, it's not fanless, but the efficient cooling ensures whisper-quiet operation, even under load. And with certifications including BIS, RoHS, and ISO, you can trust its build quality in demanding conditions.

Save space, reduce clutter, and boost your productivity. The Thinvent Neo R/4 is the intelligent workhorse your business deserves.



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	128 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	FreeDOS
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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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