



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

DOS

SKU: R-I5_12H-32_32-M512-12_7-X-DOS-0



Power that fits in the palm of your hand

Ready to transform your workspace without sacrificing performance

The Neo R/4 Mini PC brings serious computing muscle to tight spaces. Whether you're running a busy retail till, managing a factory floor, or setting up a digital signage network, this compact powerhouse handles multitasking and data processing with ease. The 12th generation Intel Core i5 processor delivers the responsiveness you need for demanding applications, from inventory management to lightweight design work.

Why choose the Neo R/4 for your business

- Save valuable desk space – its small footprint means more room for monitors, paperwork, or customers

- Reliable 24/7 operation – built with industrial-grade components to keep your operations running smoothly
- Simple, secure setup – comes with FreeDOS so you can install only the software you need, nothing more
- Flexible connectivity – HDMI and VGA outputs let you connect legacy and modern screens side by side
- Low power consumption – runs cool and quiet on just 12V, cutting energy costs over time

Perfect for point-of-sale systems, kiosks, control-room terminals, and educational labs. No bloatware, no unnecessary extras – just a clean, dependable computer that gets the job done.

Upgrade your setup with a mini PC that means business.



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	64 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
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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	1.72kg, 2.13kg

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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