



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)

32GB MLC SSD

Dual Band WiFi

DOS

SKU: R-I5_12H-32_32-S32-12_5-M-DOS-0



Powerful performance in a compact package – the Thinvent Neo R/4 Mini PC.

Unleash reliable productivity anywhere

- Handles demanding multitasking with ease, from office applications to light creative work
- Fits neatly into tight spaces – perfect for digital signage, retail kiosks, or home offices
- Silent, cool operation thanks to efficient design, so it won't distract your workspace
- Robust build quality ensures long-lasting dependability in busy environments

Designed for real-world use cases

- Ideal for point-of-sale systems where space is at a premium and performance matters
- Great for thin client setups, educational labs, or industrial control panels

- Connect to multiple displays for enhanced workflow efficiency
- Dual-band Wi-Fi keeps you connected without messy cables

Why choose the Neo R/4

- Backed by Thinvent's reputation for industrial-grade reliability
- Ready to run your preferred operating system – you have total control
- Low power consumption reduces running costs and environmental impact
- Powder-coated steel chassis protects against bumps and knocks in demanding settings

Upgrade your setup with a mini PC that punches above its weight – the Thinvent Neo R/4 delivers desktop-class power in a footprint that fits anywhere.



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	32 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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	FreeDOS
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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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