



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Without OS

SKU: R-I5_12H-16-M1024-12_7-M-W_OS-0



Power through your workspace without wasting a single inch of desk space.

Built for serious productivity in a compact frame

- The 12th Gen Intel Core i5 processor delivers responsive performance for demanding office tasks, data entry, and multitasking
- Run multiple applications simultaneously without slowdowns – ideal for reception desks, retail counters, and control rooms
- Energy-efficient design keeps power consumption low and operating costs down, perfect for 24/7 use
- Dual-band Wi-Fi ensures reliable wireless connectivity, freeing you from messy cable runs
- VGA and HDMI outputs let you connect to older monitors or modern displays, supporting dual-screen setups for enhanced workflow

Where space is at a premium, this mini PC shines

- Tuck it behind a monitor, mount it under a desk, or place it on a narrow shelf – its steel chassis is tough enough for demanding environments
- Powder-coated finish resists scratches and wear in busy offices, workshops, or public-facing areas
- Silent and cool operation means no distracting fan noise, keeping your environment professional

Why choose the Neo R/4

- Purpose-built for businesses that need reliable, no-frills computing without the bulk of a tower
- Easy to set up and manage – simply add your operating system and deploy
- Backed by Thinvent's quality standards, with certifications that ensure peace of mind

Streamline your workspace and your workload with the Thinvent Neo R/4 Mini PC.



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	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	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	Without OS
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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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