



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

No WiFi

Ubuntu Linux

SKU: R-I5_12H-8-M512-12_7-X-U-0



Power meets portability: the Thinvent Neo R/4 Mini PC.

Built for serious work without taking up serious space. Whether you are deploying kiosks, digital signage, or an edge computing station, this compact powerhouse delivers the punch you need from a 12th-generation Intel Core i5 processor. Multi-threaded tasks like data processing, web serving, or running a point-of-sale system feel effortless, while the eight cores handle multiple applications simultaneously without stuttering.

Out of the box it ships with Ubuntu Linux 24.04 LTS, so you enjoy a secure, stable, and highly customisable platform right away. No bloatware, no licensing headaches – just a clean environment for your software stack.

The all-steel, powder-coated chassis means this mini PC can sit in demanding environments, from factory floors to retail counters, and keep running reliably. Its compact footprint lets you mount it behind a monitor or tuck it away in a tight cabinet, freeing up valuable desk or floor space.

Storage and memory are solid for everyday business needs: a speedy 128GB SSD ensures quick boot times and snappy application loading, while 4GB of RAM keeps basic multitasking smooth. Need to connect peripherals? With dual USB 3.2 ports, Gigabit Ethernet, HDMI, and even a legacy VGA port, you have the flexibility to drive modern displays or older projectors without adapters.

Power efficiency is another win. The Neo R/4 draws low wattage and runs cool, so you save on energy bills and keep noise levels minimal. That makes it ideal for quiet offices, retail environments, or home workspaces.

Choose the Thinvent Neo R/4 when you need a dependable, compact, and Linux-ready computer that just gets the job done – day in, day out.



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	8 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	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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