



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

Thinux Embedded Linux

SKU: R-I5_12H-8_8-M512-12_5-X-THINUX-0



Powerful and compact, the Neo R/4 delivers serious computing where you need it most.

Reliable performance for demanding environments

- The Intel Core i5 processor handles complex tasks with ease, from running digital signage to powering industrial kiosks
- Thinux Embedded Linux provides a stable, secure platform that boots quickly and runs without bloatware or unnecessary updates
- Fanless design means silent operation and fewer moving parts, ideal for dusty or harsh settings

Built for remote management and connectivity

- Pre-loaded with RDP, VNC, and SSH tools so you can access and control systems from anywhere
- Dual browser support (Chromium and Firefox) makes it ready for web-based applications right out of the box
- Gigabit Ethernet ensures fast and reliable network connections, essential for mission-critical operations

Designed to fit your workflow

- Compact steel housing mounts easily behind displays or in tight spaces, saving valuable desk or rack real estate
- Powder-coated finish withstands wear and tear in factories, warehouses, or public areas
- Multiple USB ports allow connection to peripherals like barcode scanners, printers, or touchscreens without extra hubs

Why choose the Neo R/4

- Eliminates the complexity of Windows licensing and maintenance, reducing total cost of ownership
- Pre-loaded with productivity tools including LibreOffice and multimedia player, so it's ready for day-one use
- Perfect for thin client setups, point-of-information displays, or any scenario requiring a low-power, always-on computer

The Neo R/4 gives you industrial-grade performance in a practical, no-nonsense package.



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	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	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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

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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