



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: R-I5_12H-32-S128-12_5-M-11V-0



Compact power that fits your industrial edge.

Built for the real world, not just the office: The Thinvent Neo R/4 Mini PC brings genuine workstation-class performance into a rugged, space-saving chassis. Powered by the latest Intel Core i5 processor, it handles multi-tasking and demanding applications with ease, making it ideal for digital signage, kiosks, factory-floor HMI, and edge computing tasks.

Why choose the Neo R/4? Because reliability matters. This Mini PC is engineered for 24/7 operation in challenging environments, from retail counters to warehouse control rooms. Its fanless design? Actually, it uses a quiet, efficient cooling system that keeps dust out and performance in. And with Windows 11 IoT Enterprise LTSC 2024 Value onboard, you get a secure, stable platform that stays consistent for years – no unwanted feature updates, just dependable operation.

Deploy it anywhere: VESA-mountable behind a display, tucked into a kiosk, or sat on a production line. The Neo R/4 offers versatile connectivity, including dual Gigabit Ethernet and multiple USB ports, so you can connect legacy peripherals and modern devices without hassle. Plus, dual-band Wi-Fi gives you wireless flexibility when running cables isn't an option.

Save on total cost of ownership. Low power draw, long-life components, and a compact footprint mean reduced energy bills and minimal downtime. Backed by Thinvent's industrial-grade reliability and global certifications, this is the Mini PC that works as hard as you do.

Made for professionals, built to last.



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	32 GB
SSD Storage	128 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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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