



Thinvent Neo R/4 Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: R-I5_12H-16_16-S128-12_7-M-U-0



Serious performance in a palm-sized package.

The Thinvent Neo R/4 Mini PC brings Intel's 12th-generation Core i5 power to any desk, rack or wall – delivered in a rugged, powder-coated steel chassis that takes up almost no space. Whether you're running a busy reception, a digital signage network or a compact office workstation, this mini PC handles multitasking, web apps and light content creation with effortless efficiency.

A perfect fit for space-constrained environments

- Mount it behind a monitor or tuck it under a desk – the Neo R/4 is built for clutter-free, professional setups.
- Pre-loaded with Ubuntu Linux 24.04 LTS, it offers a stable, secure and customisable platform ideal for development, POS systems or headless servers.

- Dual-band Wi-Fi and gigabit Ethernet keep you connected reliably, while VGA and HDMI outputs let you drive two displays for extra productivity.

Why choose the Neo R/4

- Energy-efficient design with a 12V adapter means low running costs and cooler operation, even in 24/7 use.
 - Solid-state storage ensures whisper-quiet performance and fast boot times, no moving parts to worry about.
- Backed by Thinvent's ISO and RoHS certifications, this – is a mini PC you can trust for years of dependable service.

Great things come in small packages – and the Neo R/4 proves it.



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	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_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	m256 = 256GB		
	m512 = 512GB	m1024 = 1TB		
	S32 = 32GB MLC	S128 = 128GB		
	S256 = 256GB			
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS	W_OS = Without OS		
	11V = Windows 11 IoT Value	11P = Windows 11 Pro		
	Thinux = Thinux™ Embedded Linux	U = Ubuntu Linux		
Accessories	0 = None	KM = Keyboard and Mouse set		
	1S = DB9 Serial	MK = Mechanical Keyboard		
	Mo = Wired Optical Scroll Mouse			

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