



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: R-I5_12-64-M256-12_5-M-11P-1S



Compact Powerhouse: Your Workspace, Redefined.

The Thinvent® Neo R/4 Mini PC delivers uncompromising performance and versatile connectivity in an incredibly small form factor, perfect for demanding professional and industrial applications.

Unleash Peak Performance

- Driven by the Intel® Core™ i5-1250P processor, experience seamless multitasking with 12 cores, a turbo frequency up to 4.4 GHz, and 12 MB cache for rapid data processing.
- With 4GB DDR4 RAM, you'll enjoy responsive operation for everyday tasks and efficient handling of applications.
- Boot in an instant and access files at lightning speed thanks to the integrated 512GB SSD.
- Equipped with Windows 11 Pro, benefit from advanced security features, enhanced productivity, and a modern, intuitive user experience.

Versatile Connectivity Solutions

- Expand your visual workspace with dual display support via HDMI and VGA ports.

- Stay connected with robust 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wired and wireless networking.
- Connect all your essential peripherals with two USB 3.2 and two USB 2.0 ports.
- A critical feature for specialized equipment, the dedicated DB9 RS232 serial port ensures compatibility with industrial systems and legacy devices.

Robust and Compact Design

- Built for durability, its sturdy steel housing with a professional powder-coated black finish measures just 198mm × 200mm × 73mm and weighs a mere 110 grams, allowing for easy integration into any environment.
- Designed for continuous operation, it performs reliably between 0°C and 40°C.
- Power is supplied efficiently via a 12V 7A adapter with a wide 100~275V AC input range.
- Certified by BIS, RoHS, and ISO, guaranteeing quality, safety, and environmental compliance.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Serial Port	1 DB9 male RS232

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 Pro
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Ordering Information

PRODUCT CODE

R-i5_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	64 = 64GB DDR4			
SSD	m128 = 128GB		m256 = 256GB	
	m32 = 32GB		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	
	Thinix = Thinix™ 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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