



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: R-I5_12-32-S32-12_5-M-W_OS-1S



Unleash Mighty Performance in a Mini Footprint.

Introducing the Thinvent® Neo R/4 Mini PC, a compact powerhouse engineered for peak efficiency and robust reliability. Experience unparalleled speed and seamless multitasking with the Intel® Core™ i5-1250P processor, boasting 12 cores and a blistering 4.4 GHz maximum frequency. With a generous 12 MB cache, 8GB of DDR4 RAM, and a lightning-fast 1TB SSD, your applications will launch instantly and run flawlessly.

Ready for Versatility

This mini PC provides the freedom to install your preferred operating system. Connectivity is exceptional, featuring

- Dual display support with HDMI and VGA ports
- Four USB ports (two 3.2, two 2.0) for all your peripherals

- A dedicated DB9 serial port, perfect for industrial control or legacy device integration
- Gigabit Ethernet for ultra-fast wired networking
- Dual-band Wi-Fi 5 for reliable wireless access
- Integrated speaker out and microphone in ports for complete audio connectivity

Built to Endure

Encased in durable, power-coated black steel, the Neo R/4 is built for longevity. Its remarkably compact dimensions (198mm × 200mm × 73mm) and incredibly light weight (110 grams) make it ideal for any workspace, integrating discreetly. Operating efficiently between 0°C and 40°C, and certified by BIS, RoHS, and ISO, you can trust its quality and performance. Power it reliably with the included 12V 7A adapter and 2-meter cable.



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	32 GB
SSD Storage	32 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	Without OS
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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
	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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