



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: R-I5_14-8-S256-12_5-M-11V-1S



Unleash unparalleled power in a remarkably compact form.

Experience the future of computing with the Thinvent® Neo R/4 Mini PC, engineered for performance, versatility, and reliability. This powerhouse redefines efficiency, delivering robust capabilities in a footprint that defies its strength.

Exceptional Performance

- Driven by the cutting-edge Intel® Core™ 5 120U processor, featuring 10 cores and turbo speeds up to 5.0 GHz with a 12 MB cache, the Neo R/4 tackles demanding applications and intense multitasking with ease.
- Navigate seamlessly with 16GB DDR4 RAM, ensuring fluid operation even under heavy loads.
- Boot instantly and access your data at lightning speed thanks to the spacious 512GB SSD.

Unrivalled Connectivity and Versatility

- Expand your workspace with dual HDMI and a VGA port, supporting multiple displays for enhanced productivity.
- Connect all your peripherals effortlessly with two USB 3.0 and two USB 2.0 ports.
- Integrate seamlessly into industrial and legacy setups with a dedicated DB9 male RS232 serial port.

- Enjoy rock-solid network performance via 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Crystal-clear audio is assured with dedicated speaker out and mic in ports.

Built for Reliability

- Encased in a durable steel housing with a sleek black powder coating, the Neo R/4 is built to withstand rigorous environments.
- Certified with BIS, RoHS, and ISO, ensuring quality and compliance.
- Operates reliably across temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non-condensing.
- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value for secure, long-term stable operation in specialized applications.

Compact Power, Anywhere

- With dimensions of just 198mm × 200mm × 73mm and a feather-light 110 grams, it integrates effortlessly into any space.
- The 12V 7A adapter and 2-meter cable provide flexible power options, supporting a wide 100~275 Volts AC input.

The Thinvent® Neo R/4 Mini PC is your ultimate solution for industrial control, digital signage, office productivity, and more.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	256 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	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	1.23kg, 1.65kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE				
R-i5_14-[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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