



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

4GB DDR4 RAM

2TB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial



SKU: R-I5_14-4-M2048-12_5-X-11V-1S

Unleash Industrial-Grade Power in a Compact Form Factor.

Experience unparalleled performance and reliability with the Thinvent® Neo R/4 Mini PC. Engineered for demanding industrial and commercial applications, this robust mini PC delivers a powerful punch in a surprisingly compact design.

Exceptional Performance

- Driven by the Intel® Core™ 5 120U processor, featuring 10 cores and reaching speeds up to 5.0 GHz with 12 MB cache, the Neo R/4 effortlessly handles intensive multitasking and complex workloads.
- With 16GB DDR4 RAM and a lightning-fast 256GB SSD, enjoy rapid boot times, swift application launches, and seamless operation, ensuring your critical systems run without interruption.

Robust Connectivity & Integration

- Designed for secure, stable environments, this mini PC exclusively utilizes a 1000 Mbps wired Ethernet connection, ensuring reliable network integrity.
- Crucial for specialized applications, a dedicated DB9 male RS232 serial port allows seamless integration with industrial control systems, POS devices, and legacy equipment.
- Expand your visual workspace with dual HDMI and a VGA port, supporting multiple displays for enhanced productivity.

- Four USB ports (2x USB 3.0, 2x USB 2.0) provide ample peripheral connectivity.

Built for Endurance

- Housed in durable, powder-coated black steel, the Neo R/4 is built to withstand rigorous use, ensuring long-term stability in challenging settings.
- Operating reliably across temperatures from 0°C to 40°C and offering wide voltage input (100-275V AC), it's ready for diverse global deployments.
- Certified with BIS, RoHS, and ISO, guaranteeing quality and environmental compliance.

Specialized Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this system offers long-term support, enhanced security features, and a stable platform tailored for embedded and dedicated applications.

Compact Design

- Measuring just 198mm x 200mm x 73mm and weighing a mere 110 grams, the Neo R/4 integrates effortlessly into space-constrained environments without compromising on power.



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	4 GB
SSD Storage	2048 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
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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
SSD	m128 = 128GB		m256 = 256GB	
	m512 = 512GB		m1024 = 1TB	
	m2048 = 2TB		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	
	110 = Windows 11 Professional		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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