



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

No WiFi

DOS

DB9 Serial



SKU: R-I5_14-16-S256-12_5-X-DOS-1S

Unleash unparalleled power in a compact, purpose-built form factor.

Introducing the Thinvent® Neo R/4 Mini PC

Engineered for demanding industrial, commercial, and specialized applications, the Thinvent® Neo R/4 Mini PC delivers robust performance and unwavering reliability where it matters most.

Core Performance

- Experience lightning-fast processing with the Intel® Core™ 5 120U processor, featuring 10 cores, a blazing 5.0 GHz max frequency, and a generous 12 MB cache for seamless multitasking and rapid data handling.
- Empower your most intensive applications with a massive 64GB DDR4 RAM, ensuring zero lag and superior responsiveness.
- Benefit from rapid system boot-ups and quick application loading thanks to the ultra-fast 128GB SSD.

Connectivity & Control

- Versatile display options include 2x HDMI and 1x VGA ports.
- Ample peripheral support with 2x USB 3.0 and 2x USB 2.0.
- Essential for legacy systems and industrial control, it features a dedicated DB9 male RS232 serial port.

- Enjoy secure, high-speed networking with 1000 Mbps Ethernet – no WiFi for enhanced security and stability.
- Integrated speaker out and mic in ports provide comprehensive audio capabilities.

Built for Endurance

- Housed in a durable steel chassis with a sleek black powder coating, the Neo R/4 is built to withstand rigorous environments.
- Operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH.
- Wide power input (100~275 Volts AC) and robust 12V 7A DC adapter ensure stable operation.
- Certified with BIS, RoHS, and ISO standards for quality and compliance.

Compact Design

- Measuring just 198mm × 200mm × 73mm and weighing only 110 grams, this mini PC offers incredible space-saving deployment.

Optimized for Specific Needs

- Pre-installed with FreeDOS, it's perfect for specialized applications requiring a lean, dedicated operating environment without the overhead of modern GUIs.



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	16 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
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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	FreeDOS
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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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