



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: R-15_14-32-M1024-12_5-M-U-1S



Unleash Mighty Performance in a Mini Footprint.

Discover the Thinvent Neo R/4, a compact powerhouse engineered for efficiency and reliability. This Mini PC redefines desktop computing with its robust performance and versatile connectivity, perfect for both demanding business environments and sophisticated home setups.

Core Performance

- Experience lightning-fast operations with the Intel Core 5 120U processor, boasting 10 cores and clocking up to an impressive 5.0 GHz with a 12 MB cache.
- Multitask seamlessly with 8GB DDR4 RAM and enjoy rapid boot times and application loading from the durable 32GB MLC SSD.

Connectivity & Flexibility

- Drive up to three displays simultaneously with dual HDMI and a VGA port.
- Connect all your peripherals via 2x USB 3.0 and 2x USB 2.0 ports.
- Ensure stable network access with 1000 Mbps Gigabit Ethernet or utilize high-speed, dual-band Wi-Fi 5 (802.11ac) for wireless freedom.

- Bridge legacy systems with the integrated DB9 RS232 serial port, a crucial feature for industrial control or specialized equipment.
- Benefit from a dedicated speaker out and mic in port for audio needs.

Built for Reliability

- Pre-installed with Ubuntu Linux 24.04 LTS, providing a secure, stable, and customizable open-source operating system.
- Encased in a sturdy, powder-coated black steel housing (198mm x 200mm x 73mm) weighing a mere 110 grams, it's designed for durability and discreet placement.
- Certified with BIS, RoHS, and ISO, guaranteeing quality and environmental compliance.
- Operates dependably in temperatures from 0°C to 40°C with 20% to 80% RH non-condensing humidity.

Power & Convenience

- A 12V 7A adapter with a 2-meter cable ensures stable power delivery, supporting wide AC input (100~275 Volts).

The Thinvent Neo R/4 is your ultimate solution for powerful, reliable computing in a tiny package.



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	32 GB
SSD Storage	1024 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	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE			
R-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4 32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB		m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB
Wireless	m = Dual Band WiFi		X = No WiFi
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux		W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse		KM = Keyboard and Mouse set MK = Mechanical Keyboard

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