

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

4GB DDR4 RAM

1TB SSD

No WiFi

Ubuntu Linux

DB9 Serial



SKU: R-I5_14-4-M1024-12_5-X-U-1S

Unleash unparalleled performance in a compact footprint.

Experience the future of efficient computing with the Thinvent® Neo R/4 Mini PC, engineered for demanding tasks and industrial reliability. This robust mini PC is your ideal solution for kiosks, digital signage, office productivity, and specialized applications where stability and direct connectivity are paramount.

Unrivalled Speed and Power

- Driven by the Intel® Core™ 5 120U processor with 10 cores and a blistering 5.0 GHz max frequency, coupled with 12 MB cache, the Neo R/4 delivers exceptional processing power for seamless multitasking and rapid application execution.
- Fast boot-ups and responsive operation are guaranteed with the included 128GB SSD.
- Efficient daily operations are supported by 4GB DDR4 RAM.

Built for Connectivity and Control

- Connect to a world of devices with two HDMI ports and one VGA port for versatile display options.
- Two USB 3.0 and two USB 2.0 ports ensure ample peripheral connectivity.

- A dedicated DB9 male RS232 serial port makes it perfect for integrating with legacy industrial equipment, point-of-sale systems, or specialized peripherals.
- Enjoy stable, high-speed networking with a 1000 Mbps Ethernet port, prioritizing security and reliability over wireless.
- Speaker Out and Mic In ports provide essential audio functionality.

Robust Design and Ubuntu Advantage

- Housed in a durable, powder-coated black steel chassis (198mm × 200mm × 73mm), this mini PC is built to last in challenging environments, weighing a remarkably light 110 grams.
- Pre-installed with Ubuntu Linux 24.04 LTS, you benefit from a secure, stable, and open-source operating system with long-term support, reducing total cost of ownership.
- Reliable operation is assured within 0°C to 40°C and 20% to 80% RH.
- Certified BIS, RoHS, and ISO, ensuring quality and compliance.

The Thinvent Neo R/4 Mini PC combines powerful performance, specialized connectivity, and a resilient design, making it the smart choice for businesses seeking reliable, compact computing.



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	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
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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	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 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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