



Thinvent Neo R/4 Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: R-15_13-16-M512-12_5-M-U-1S



Thinvent® Neo R/4: Unleash Mighty Performance in a Mini Footprint.

Unmatched Performance

Experience exceptional power with the Thinvent® Neo R/4 Mini PC. Engineered for demanding tasks, this powerhouse features an Intel® Core™ i5-1335U processor with 10 cores, bursting up to 4.6 GHz, and a generous 12 MB cache for seamless multitasking and lightning-fast responsiveness. Paired with a massive 32GB DDR4 RAM and a swift 128GB SSD, your applications load instantly, ensuring a fluid workflow.

Seamless Connectivity & OS

Connectivity is redefined with dual-band Wi-Fi 5 (802.11ac) for high-speed wireless networking, alongside a Gigabit Ethernet port for stable wired connections. The integrated DB9 RS232 serial port is perfect for industrial control, legacy peripherals, or specialized embedded applications. Expand your workspace with dual display support via HDMI and VGA, and connect all your essential devices, including audio peripherals, with two USB 3.2 and two USB 2.0 ports. Pre-installed with Ubuntu Linux 24.04 LTS, the Neo R/4 offers a secure, stable, and highly customizable operating environment, ideal for developers, businesses, and power users.

Robust Design & Reliability

Housed in a durable, powder-coated black steel chassis, this mini PC measures a mere 198mm x 200mm x 73mm and weighs only 110 grams. This makes it incredibly space-efficient and robust for continuous operation in environments from 0°C to 40°C. Built to last and certified with BIS, RoHS, and ISO standards, the Thinvent® Neo R/4 delivers enterprise-grade reliability in a surprisingly small form factor. Its 12V 7A adapter ensures consistent power delivery from 100~275 Volts AC.



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	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	1.52kg, 1.94kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE	
R-i5_13-[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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