



Thinvent Neo R/4 Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: R-I5_13-32-S32-12_10-M-11V-1S



Unleash Mighty Performance in a Featherlight Frame.

Introducing the Thinvent® Neo R/4 Mini PC

A compact powerhouse engineered for demanding enterprise and industrial applications. This mini PC delivers robust performance, versatile connectivity, and exceptional reliability in an incredibly portable design.

Core Performance

- Powered by an Intel® Core™ i5-1335U processor with 10 cores and speeds up to 4.6 GHz, ensuring seamless multitasking and efficient operation.
- 16GB DDR4 RAM provides ample memory for running multiple applications simultaneously without slowdowns.
- A rapid 128GB SSD offers lightning-fast boot times and quick access to essential data.

Advanced Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a high-speed 1000 Mbps Ethernet port.
- Expand your workspace with dual display support via HDMI and VGA ports.
- Versatile peripheral connections are covered with two USB 3.2 ports and two USB 2.0 ports.
- Includes a crucial DB9 male RS232 serial port for legacy devices and industrial control systems.

- Features dedicated speaker out and mic in for complete audio functionality.

Operating System and Reliability

- Runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering enhanced security, long-term support, and specialized IoT capabilities for mission-critical tasks.
- Certified with BIS, RoHS, and ISO for assured quality and environmental compliance.

Robust and Portable Design

- Housed in durable, power-coated black steel, measuring just 198mm x 200mm x 73mm.
- Weighs an astonishing 110 grams, making it extraordinarily light and easy to deploy anywhere.
- Designed for stable operation in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non-condensing.
- Powered by a reliable 12V 7A adapter with a broad AC input range (100~275V).

This comprehensive solution is ideal for retail, manufacturing, kiosk, and embedded applications where space is premium and performance is paramount.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	32 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	10 Amps
Power Input	100~275 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	1.61kg, 2.03kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE			
R-i5_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB) 32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB S32 = 32GB MLC S256 = 256GB	m256 = 256GB m1024 = 1TB S128 = 128GB	
Wireless	m = Dual Band WiFi	X = No WiFi	
OS	DOS = DOS 11V = Windows 11 IoT Value Thinux = Thinux™ 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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