



Thinvent Neo R/4 Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: R-I3_13-32-M256-12_5-M-11V-1S



Thinvent® Neo R/4 Mini PC: Experience Peak Performance in a Compact Package.

Elevate your operations with the Thinvent® Neo R/4, a robust and versatile mini PC designed for efficiency and unwavering reliability. Engineered for demanding industrial and commercial environments, this powerhouse delivers exceptional speed and stability without occupying valuable space.

Key Performance Highlights

- Intel® Core™ i3-1315U processor: Experience swift responsiveness with 6 cores boosting up to 4.5 GHz and 10 MB cache, ideal for multitasking and intensive applications.
- Ultra-Fast Storage: Boot in seconds and access data instantly with a generous 512GB SSD.
- Efficient Multitasking: 4GB DDR4 RAM ensures smooth operation across various tasks.

Built for Connectivity and Control

- Extensive Port Selection: Connect all your essential peripherals with 2x USB 3.2, 2x USB 2.0, dual display support via HDMI and VGA, and a dedicated DB9 serial port for industrial control or legacy systems.

- Seamless Networking: Stay connected with high-speed Gigabit Ethernet and reliable dual-band Wi-Fi 5 (802.11ac).
- Windows 11 IoT Enterprise LTSC 2024 Value: Enjoy a secure, stable, and purpose-built operating system optimized for embedded and long-term deployment.

Designed for Durability and Versatility

- Robust Construction: Housed in a durable, black powder-coated steel chassis (198mm × 200mm × 73mm), weighing just 110 grams for easy integration.
- Wide Operating Range: Performs reliably in temperatures from 0°C to 40°C.
- Global Compliance: Certified with BIS, RoHS, and ISO standards, ensuring quality and safety.

The Thinvent® Neo R/4 is your ideal solution for kiosks, digital signage, industrial automation, edge computing, and more. Power your success with uncompromised performance and a rugged, space-saving design.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	32 GB
SSD Storage	256 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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE			
R-i3_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)
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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