



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

8GB DDR4 RAM

512GB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: R-I3_12-8-M512-12_5-M-W_OS-1S



Unleash unparalleled power in a featherlight package.

Introducing the Thinvent Neo R/4 Mini PC

Discover the Thinvent® Neo R/4, a compact powerhouse engineered for peak performance and adaptability. This innovative Mini PC redefines efficiency, delivering enterprise-grade capabilities in an incredibly small footprint, perfect for demanding industrial, commercial, or specialized computing environments.

Core Performance

Experience blazing-fast computing with the Intel® Core™ i3-1215U processor, boasting 6 cores and burst speeds up to 4.4 GHz, complemented by a generous 10 MB cache for seamless multitasking. A massive 64GB DDR4 RAM ensures smooth operation even with heavy applications, while the 32GB MLC SSD provides rapid boot-ups and quick application loading for reliable performance.

Comprehensive Connectivity

The Neo R/4 is equipped for any setup, offering

- Dual display support: HDMI and VGA ports
- Versatile USB access: 2x USB 3.2 and 2x USB 2.0 for all your peripherals
- Critical legacy integration: A dedicated DB9 RS232 serial port, ideal for industrial controls and specialized hardware

- Robust networking: Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless connectivity

Engineered for Durability & Portability

Designed for ultimate flexibility and longevity, this Mini PC features

- Ultra-compact dimensions: Measuring just 198mm x 200mm x 73mm
- Astonishingly lightweight: Weighing an incredible 110 grams, allowing for easy deployment anywhere
- Robust construction: A sleek black steel housing with a durable powder coating

Reliability & Customization

Operating reliably within 0°C to 40°C and holding BIS, RoHS, and ISO certifications, the Neo R/4 guarantees quality and environmental compliance. Provided without an operating system, it offers the freedom to install your preferred software solution, making it ideal for specialized applications, embedded systems, or custom deployments. Elevate your workspace with the Thinvent® Neo R/4 – where power meets portability.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	8 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
RS485 Option	1

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	1.59kg, 2.01kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE			
R-i3_12-[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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