



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

128GB SSD

No WiFi

Ubuntu Linux

DB9 Serial



SKU: R-I3_12-32-M128-12_5-X-U-1S

Unleash Industrial-Grade Power in a Compact, Reliable Package.

The Thinvent® Neo R/4 Mini PC is engineered for unparalleled performance and rock-solid reliability in demanding environments.

Performance Redefined

Driven by an Intel® Core™ i3-1215U processor with 6 cores and a blistering 4.4 GHz max frequency, the Neo R/4 delivers exceptional processing power for complex tasks. Coupled with a massive 64GB of DDR4 RAM, this Mini PC handles intensive applications, virtualization, and data processing with effortless speed. The 32GB MLC SSD ensures rapid boot times and highly durable, responsive storage for your critical operating system and applications.

Built for Stability and Control

Designed for environments where stability and dedicated connectivity are paramount, the Neo R/4 features

- A crucial DB9 male RS232 serial port for seamless integration with legacy industrial equipment, POS systems, or specialized hardware.
- Gigabit Ethernet (1000 Mbps) for ultra-fast, secure, and stable network access, with no WiFi for enhanced security profiles.

- Robust steel housing with a sleek black powder coating, engineered to withstand challenging operational conditions and weighing only 110 grams for flexible deployment.

Operating System and Connectivity

Pre-installed with Ubuntu Linux 24.04 LTS, the Neo R/4 provides a secure, stable, and open-source platform ideal for embedded systems, automation, thin clients, or specialized workstations. Connectivity is comprehensive with

- HDMI and VGA ports for dual display support.
- Two USB 3.2 and two USB 2.0 ports for peripheral expansion.
- Dedicated Speaker Out and Mic In for audio needs.

Reliability and Compliance

The Thinvent® Neo R/4 operates flawlessly in temperatures from 0°C to 40°C and humidity up to 80% RH. Certified with BIS, RoHS, and ISO standards, it guarantees quality, safety, and environmental responsibility. Its efficient 12V 7A power supply with a wide AC input range (100~275V) ensures adaptable power delivery.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 GB
SSD Storage	128 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
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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	1.59kg, 2.01kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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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