

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM

1TB SSD

No WiFi

Ubuntu Linux

DB9 Serial



SKU: [R-I3_13-64-M1024-12_5-X-U-1S](#)

Unleash robust performance in a compact, industrial-grade package.

Discover the Thinvent® Neo R/4 Mini PC: Your reliable powerhouse for demanding applications, built for stability and precision. Engineered with a focus on performance and durability, this mini PC is ideal for industrial control, point-of-sale, digital signage, and specialized embedded systems where wired reliability is paramount.

Uncompromising Performance

- Experience swift multitasking and efficient processing with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz.
- A generous 10 MB cache ensures rapid data access, enhancing overall system responsiveness.
- Seamlessly run your critical applications with 8GB DDR4 RAM.
- Boot up instantly and access files quickly from the lightning-fast 128GB SSD.

Industrial-Grade Connectivity and Reliability

- Interface with legacy systems and specialized peripherals effortlessly via the dedicated DB9 male RS232 serial port.
- Benefit from rock-solid network stability and security with the integrated 1000 Mbps Ethernet port – no WiFi ensures a focused, secure wired environment.

- Connect your displays with versatile HDMI and VGA outputs.
- Four USB ports (2x USB 3.2, 2x USB 2.0) provide ample connectivity for all your peripherals.
- Audio input and output ports offer complete multimedia integration.
- Powered by a robust 12V 7A adapter, designed for consistent operation within 100~275 Volts AC input.

Built to Endure

- Housed in a durable steel chassis with a sleek black powder coating, the Neo R/4 is designed to withstand challenging environments.
- With a compact footprint of 198mm x 200mm x 73mm and an incredibly light weight of 110 grams, it integrates seamlessly into any setup.
- Certified to BIS, RoHS, and ISO standards, ensuring quality, safety, and environmental compliance.

Optimized with Ubuntu Linux

- Enjoy the stability, security, and versatility of Ubuntu Linux 24.04 LTS, pre-installed and ready for your custom applications and development needs.



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	64 GB
SSD Storage	1024 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
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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	1.52kg, 1.94kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE			
R-i3_13-[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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