

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

Without OS

DB9 Serial



SKU: R-I3_12-16-M1024-12_5-X-W_OS-1S

Your Robust Foundation for Customized Performance: The Thinvent® Neo R/4 Mini PC.

Discover the Thinvent® Neo R/4, a powerful and adaptable mini PC engineered for reliability and precision. Designed for scenarios demanding stable wired connectivity and full operating system flexibility, this compact powerhouse delivers exceptional performance without compromise.

Core Performance

- Experience swift multitasking and efficient processing with the Intel® Core™ i3-1215U processor, featuring 6 cores, a max frequency of 4.4 GHz, and a 10 MB cache.
- Enjoy rapid boot times and seamless application loading thanks to 8GB of DDR4 RAM and a responsive 128GB SSD.

Built for Specific Needs

- Embrace unparalleled control with a "Without OS" configuration, empowering you to install the operating system best suited for your specific application, whether it's embedded, industrial, or enterprise.
- Benefit from enhanced security and stability with no integrated WiFi, focusing on robust wired network connections via 1000 Mbps Ethernet.

- Critical for industrial and legacy systems, the dedicated DB9 serial port provides essential connectivity for specialized equipment and automation.

Versatile Connectivity and Durability

- Connect multiple displays with HDMI and VGA outputs.
- Access a range of peripherals through 2x USB 3.2 and 2x USB 2.0 ports.
- Encased in a durable, black powder-coated steel housing, weighing a mere 110 grams, it's built to withstand demanding environments while maintaining a sleek, professional aesthetic.
- Operates reliably across temperatures from 0°C to 40°C and humidity up to 80% RH.

Certifications

- BIS
- RoHS
- ISO

This is a professional and robust solution, ready to power your unique computing requirements.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	16 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
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	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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