



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

DB9 Serial

SKU: R-I3_12-64-M512-12_5-M-DOS-1S



Unleash Mighty Performance in a Featherlight Form Factor.

Elevate your computing experience with the Thinvent® Neo R/4 Mini PC, engineered for power and portability. This ultra-compact marvel packs a serious punch, making it ideal for everything from demanding business applications and industrial control to a sleek, powerful home office setup.

Core Performance

- Experience exceptional speed with the Intel® Core™ i3-1215U processor, featuring 6 cores and burst speeds up to 4.4 GHz, backed by a 10 MB cache for seamless multitasking.
- Tackle intensive workloads with an astounding 64GB DDR4 RAM, ensuring liquid-smooth operation for virtual machines, large datasets, and simultaneous applications.
- Benefit from rapid boot times and responsive application loading with 128GB of high-speed SSD storage.

Versatile Connectivity

- Connect to a wide array of peripherals and displays with dual HDMI and VGA outputs.
- Stay connected with lightning-fast 1000 Mbps Ethernet and reliable dual-band Wi-Fi 5 (802.11ac).

- Access legacy systems or industrial equipment effortlessly via the dedicated DB9 RS232 serial port.
- Enjoy comprehensive peripheral support with 2x USB 3.2 and 2x USB 2.0 ports, along with speaker out and mic in.

Robust Design and Flexibility

- Housed in durable, powder-coated black steel and weighing an astonishing 110 grams, this Mini PC is built to last and integrates effortlessly into any space.
- The flexible FreeDOS operating system provides a clean slate, allowing you to install your preferred OS for tailored control.
- Operates reliably within 0°C to 40°C and 20% to 80% non-condensing humidity, ensuring consistent performance.

Certified Reliability

- Trust in a product that meets rigorous standards, backed by BIS, RoHS, and ISO certifications.

Dimensions

- 198mm × 200mm × 73mm



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	64 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	FreeDOS
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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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