



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

2TB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: R-I3-12-32-M2048-12_7-M-U-1S



Thinvent® Neo R/4: Unpack Power, Not Space.

Discover the ultimate blend of performance and portability with the Thinvent® Neo R/4 Mini PC. Engineered for efficiency, this compact powerhouse is ideal for home, office, or industrial applications where space is at a premium but speed is non-negotiable.

Unleash exceptional speed and responsiveness

- Powered by an Intel® Core™ i3-1215U processor featuring 6 cores and turbo speeds up to 4.4 GHz, backed by a generous 10 MB cache.
- Experience seamless multitasking with 4GB DDR4 RAM.

Enjoy lightning-fast boot-ups and application loading from the spacious 512GB SSD.

Connect effortlessly to your world

- Integrated dual-band Wi-Fi 5 (802.11ac) ensures reliable wireless connectivity.
- Gigabit Ethernet provides ultra-fast wired networking.
- Versatile display options include HDMI and VGA.

- Expand your peripherals with 2x USB 3.2 and 2x USB 2.0 ports.
- A dedicated DB9 serial port (RS232) ensures compatibility with legacy industrial equipment.

Benefit from a secure and stable platform

- Pre-installed with Ubuntu Linux 24.04 LTS for a powerful, open-source, and long-term supported computing experience.

Designed for resilience and convenience

- Its incredibly lightweight 110-gram, steel housing with a durable powder-coated black finish offers robust protection in a miniature form factor (198mm × 200mm × 73mm).
- Certified with BIS, RoHS, and ISO standards, ensuring quality and environmental responsibility.
- Operates reliably in temperatures from 0°C to 40°C.

Thinvent® Neo R/4: Big on performance, small on footprint.



Thinvent Neo R/4 Mini PC



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	2048 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	7 Amps
Power Input	100~275 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	1.68kg, 2.10kg

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 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB) 32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB m2048 = 2TB S128 = 128GB	m256 = 256GB m1024 = 1TB S32 = 32GB MLC S256 = 256GB	
Wireless	m = Dual Band WiFi	X = No WiFi	
OS	DOS = DOS 11V = Windows 11 IoT Value 110 = Windows 11 Professional U = Ubuntu Linux	W_OS = Without OS 11P = Windows 11 Pro Thinix = Thinix™ Embedded Linux	
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse	KM = Keyboard and Mouse set MK = Mechanical Keyboard	

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