



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

4GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: R-I3_12-4-S256-12_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	4 GB
SSD Storage	256 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**8** = 8GB DDR4**16** = 16GB DDR4**32** = 32GB DDR4**32_32** = 64GB
DDR4 RAM (2 x
32GB)**16_16** = 32GB
DDR4 RAM (2 x
16GB)**8_8** = 16GB DDR4
RAM (2 x 8GB)

SSD

m128 = 128GB**m512** = 512GB**S32** = 32GB MLC**S256** = 256GB**m256** = 256GB**m1024** = 1TB**S128** = 128GB

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 Keyboardwww.thinvent.insales@thinvent.in

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