



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: R-I5_12L-16-M1024-12_5-M-U-1S



Powerhouse Performance, Compact Footprint: The Neo R/4 Mini PC

Unlock a new level of reliability and efficiency for your industrial operations. The Thinvent® Neo R/4 is a robust mini PC designed to thrive in demanding environments, delivering the seamless processing power you need without the bulk of a traditional desktop.

Engineered for Endurance

- Its resilient, steel housing ensures protection in challenging conditions, from factory floors to digital signage installations.
- Dual Gigabit LAN ports provide critical network redundancy and flexibility for complex connectivity setups.
- With a dedicated serial port, it seamlessly integrates with legacy machinery and specialised industrial equipment.

Simplify Your Setup

- Pre-installed with a stable Ubuntu Linux OS, it's ready for secure, efficient operation right out of the box.
- The ultra-compact form factor saves invaluable space, allowing for discreet mounting almost anywhere.
- Built for 24/7 reliability, it delivers consistent performance to keep your applications running smoothly.

Ideal for demanding industrial computing, IoT gateways, and secure edge deployments. Choose the Neo R/4 for a dependable, powerful, and space-saving solution that just works.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 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
Serial Port	1 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

R-i5_12l-[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

Thinux = Thinux™ 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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