



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

No WiFi

DOS

DB9 Serial



SKU: R-I5_12-32_32-M1024-12_5-X-DOS-1S

Unleash unparalleled power in an ultra-compact, industrial-grade design.

The Thinvent® Neo R/4 Mini PC redefines efficiency and performance in a tiny footprint. Engineered for demanding environments and specialized applications, this robust mini PC delivers a powerhouse experience without compromise.

Performance Unleashed

- Experience lightning-fast responsiveness with the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz for superior multi-tasking.
- Seamlessly manage intensive tasks and applications with an expansive 64GB DDR4 RAM.
- Store vast amounts of data and enjoy instant boot-ups from the colossal 1TB SSD.

Tailored Connectivity

- Integrate effortlessly into diverse setups with a dedicated DB9 RS232 serial port, indispensable for legacy systems, automation, and specialized industrial control.

- Ensure rock-solid network stability and enhanced security with a gigabit Ethernet connection, ideal for environments requiring reliable wired connectivity.
- Connect multiple displays via HDMI and VGA for enhanced productivity.
- Utilize a suite of USB 3.2 and 2.0 ports for all your peripherals.

Built for Reliability

- Housed in a durable, powder-coated steel chassis, the Neo R/4 is engineered for longevity and robust performance.
- Its ultra-compact dimensions and incredibly lightweight 110-gram design make it highly versatile for any deployment.
- Ships with FreeDOS, offering you the freedom to install your preferred operating system or specialized software.
- Operates reliably across a 0°C to 40°C temperature range.
- Certified with BIS, RoHS, and ISO standards, ensuring quality and environmental compliance.



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	64 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

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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE

R-i5_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

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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