



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

2TB SSD

Dual Band WiFi

DOS

DB9 Serial

SKU: R-I5_12-4-M2048-12_5-M-DOS-1S



Unleash compact power with the Thinvent® Neo R/4 Mini PC.

Experience uncompromising performance in a sleek, space-saving design. The Thinvent® Neo R/4 Mini PC is your ideal solution for demanding tasks, industrial applications, and versatile computing needs.

Blazing Performance

Powered by the Intel® Core™ i5-1250P processor with 12 cores and speeds up to 4.4 GHz, the Neo R/4 handles intense multitasking with ease. Paired with 8GB DDR4 RAM and a lightning-fast 1TB SSD, enjoy rapid boot times and seamless application performance, ensuring your workflow is always smooth and responsive.

Unrivalled Connectivity

Connect everything you need with a comprehensive array of ports. Benefit from dual USB 3.2 and two USB 2.0 ports for modern peripherals, while the included DB9 Serial port ensures compatibility with legacy industrial equipment. Dual Band WiFi 5 and Gigabit Ethernet provide robust networking options, complemented by HDMI and VGA outputs for flexible display configurations and integrated audio connectivity.

Built to Last

Housed in a sturdy, powder-coated black steel chassis, the Neo R/4 is designed for durability and a long operational life. Its incredibly compact dimensions (198mm x 200mm x 73mm) and featherlight 110-gram weight make it perfect for deployment in constrained spaces or mounting scenarios. Operating system flexibility is provided with FreeDOS, allowing you to tailor your software environment. Built to BIS, RoHS, and ISO standards, it ensures reliability.

The Thinvent® Neo R/4 delivers maximum impact in a minimal footprint.



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	4 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

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	1.62kg, 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

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

www.thinvent.insales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

