



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

2TB SSD

No WiFi

Ubuntu Linux

DB9 Serial



SKU: [R-I5_12-32-M2048-12_7-X-U-1S](#)

Unleash unparalleled performance in a remarkably compact design.

Thinvent® Neo R/4 Mini PC

Experience the future of efficient computing. Engineered for demanding tasks, this powerhouse features an Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz, backed by 12 MB cache for seamless multitasking and rapid data processing.

Core Specifications

- Processor: Intel® Core™ i5-1250P (12 cores, up to 4.4 GHz, 12 MB cache)
- Memory: 8GB DDR4 RAM for smooth application handling
- Storage: Blazing-fast 1TB SSD ensures lightning-quick boot times and ample space for your data
- Operating System: Pre-installed Ubuntu Linux 24.04 LTS for robust, secure, and flexible open-source computing

Connectivity & Durability

Designed for reliability and integration, the Neo R/4 offers essential wired connectivity, eliminating wireless vulnerabilities for enhanced security and stability. Its crucial DB9 serial port makes it ideal for industrial automation, legacy systems, and specialized peripherals. Encased in a durable, black powder-coated steel housing, this Mini PC is built to withstand diverse environments. Weighing just 110 grams, its compact form factor (198mm × 200mm × 73mm) integrates effortlessly into any setup.

Essential Features

- Robust wired network via 1000 Mbps Ethernet
- Versatile display options with 1 HDMI and 1 VGA port
- Four USB ports (2x 3.2, 2x 2.0) for peripheral expansion
- Dedicated DB9 male RS232 serial port for specialized applications
- Wide operating temperature range (0°C ~ 40°C) and humidity tolerance for challenging conditions
- Certified for quality and compliance: BIS, RoHS, ISO standards

The Thinvent® Neo R/4 is your reliable, high-performance solution for challenging industrial settings, dedicated workstations, or specialized computing needs.



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	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

NETWORKING

Ethernet	1000 Mbps
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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	1.72kg, 2.13kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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

