



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: R-I5_12-32-S256-12_5-M-11V-1S



Experience uncompromising performance in a surprisingly compact form factor.

Introducing the Thinvent® Neo R/4 Mini PC, a powerhouse engineered for demanding embedded and industrial applications. This robust mini PC delivers exceptional speed and reliability, all within a sleek, space-saving design.

Core Performance and Reliability

- Drive your operations with the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz, backed by a 12 MB cache for seamless multitasking.
- Benefit from 8GB DDR4 RAM, ensuring smooth application execution and efficient data handling.
- Enjoy rapid boot-ups and quick access to essential applications thanks to the fast 32GB MLC SSD.
- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a stable, secure, and long-term supported platform for specialized environments.

Versatile Connectivity

- Stay connected with integrated Dual Band Wi-Fi 5 (802.11ac) and a gigabit Ethernet port for reliable networking.

- Connect a wide array of peripherals with 2x USB 3.2 and 2x USB 2.0 ports.
- Legacy device support is effortless with a dedicated DB9 male RS232 serial port.
- Expand your display options with both HDMI and VGA outputs.

Rugged Design and Certifications

- Built to last with a durable steel housing, finished in a sleek black powder coating.
- Designed for operational stability across temperatures from 0°C to 40°C.
- Weighing a mere 110 grams and measuring 198mm × 200mm × 73mm, it fits almost anywhere.
- Certified with BIS, RoHS, and ISO, guaranteeing quality and environmental compliance.

The Thinvent® Neo R/4 Mini PC is your ideal solution for industrial control, digital signage, thin clients, and other specialized computing needs where reliability, performance, and a compact footprint are paramount.



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	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

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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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