

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: R-I5_12-16-M512-12_5-X-11V-0



Unleash Enterprise Power, Redefined in Miniature.

Experience unparalleled performance and reliability with the Thinvent® Neo R/4 Mini PC. Engineered for demanding environments and critical applications, this compact powerhouse delivers desktop-level capabilities in a footprint designed for efficiency.

Core Performance

- Driven by the Intel® Core™ i5-1250P processor, featuring 12 cores and a blistering 4.4 GHz max frequency, the Neo R/4 handles intensive multitasking and complex computations with ease. A substantial 12 MB cache ensures lightning-fast data access.

Unrivaled Memory & Speed

- Boasting a massive 64GB DDR4 RAM, this Mini PC offers exceptional responsiveness, making it ideal for data-heavy applications, virtual environments, and seamless multi-application workflows. The 128GB SSD ensures rapid boot-ups and swift application loading, maximizing your productivity.

Robust Connectivity & Durability

- Connect effortlessly with 2x USB 3.2 and 2x USB 2.0 ports, along with HDMI and VGA outputs for dual-display setups. A dedicated Gigabit Ethernet (1000 Mbps) port provides secure, high-speed wired networking, perfect for environments prioritizing stability and security. Crafted with a durable steel housing and power coating, the Neo R/4 is built to last, operating reliably between 0°C and 40°C.

Secure & Stable Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the Neo R/4 offers a secure, long-term supported platform tailored for embedded and industrial solutions, ensuring consistent performance and reduced maintenance.

Dimensions & Certifications

- Compact at 198mm x 200mm x 73mm and weighing just 110 grams.
- Certified to BIS, RoHS, and ISO standards for quality and compliance.

The Thinvent® Neo R/4: where compact design meets uncompromising power.



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	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

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	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 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB
Wireless	m = Dual Band WiFi X = No WiFi
OS	DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinix = Thinix™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None KM = Keyboard and Mouse set 1S = DB9 Serial MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse

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