



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial



SKU: R-I5_12-16_16-M128-12_5-X-11V-1S

Thinvent Neo R/4: Compact Power, Industrial Precision.

Experience robust computing with the Thinvent® Neo R/4 Mini PC, engineered for demanding industrial and commercial applications. This ultra-compact device packs a powerful punch, delivering exceptional performance in a durable, space-saving design.

Unrivalled Performance

- Drive your operations with the Intel® Core™ i5-1250P processor, featuring 12 cores and a boost frequency of up to 4.4 GHz for seamless multitasking and rapid data processing.
- Benefit from 8GB of DDR4 RAM for smooth application handling.
- Enjoy lightning-fast boot-ups and responsive software with a 128GB SSD.

Industrial-Grade Reliability

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering long-term stability and enhanced security for mission-critical tasks.
- Connect legacy devices effortlessly with the integrated DB9 RS232 serial port.

- Ensure stable network communication with Gigabit Ethernet, ideal for fixed installations where wireless is not required or desired.
- Dual display support via HDMI and VGA offers versatile visual configurations.

Built Tough, Designed Smart

- Housed in a durable steel chassis with a powder-coated finish for extended longevity in challenging environments.
- Exceptionally lightweight at just 110 grams, allowing for easy integration and mounting in tight spaces.
- Operates reliably within 0°C to 40°C and 20% to 80% non-condensing humidity.
- Wide-ranging 100~275V AC power input with a 2-meter cable for flexible deployment.
- Certified with BIS, RoHS, and ISO standards for quality assurance.

The Thinvent Neo R/4 is your reliable partner for automation, retail, kiosks, and embedded systems, where performance meets unwavering resilience.



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	128 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	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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