



Thinvent Neo R/4 Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM (2 x 8GB)

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: R-I5_12L-8_8-M1024-12_7-M-11V-KM



Unleash powerhouse performance in a footprint that defies its size.

Introducing the Thinvent® Neo R/4 Mini PC, where immense capability meets minimalist design. This compact industrial computer is engineered to be the silent, robust nerve centre for your most demanding applications, from the factory floor to the digital signage network.

Why the Neo R/4 is your next smart investment

Uncompromising reliability for mission-critical tasks

- Built with industrial-grade components in a rugged steel chassis, it thrives in challenging environments where ordinary PCs fail.
- Its dual Gigabit LAN ports ensure unwavering, high-speed network connectivity for seamless data transfer and control.
- Pre-installed Windows 11 IoT provides a stable, secure, and long-term platform for your specialised software.

Maximum versatility in minimal space

- The ultra-compact form factor installs effortlessly anywhere, freeing up valuable workspace and simplifying integration into kiosks, machinery, or retail displays.
- With comprehensive connectivity including dual-band Wi-Fi, it seamlessly interfaces with a vast array of peripherals and legacy systems.
- The included keyboard and mouse set means it's ready to deploy straight out of the box, minimising setup time and getting you operational faster.

Engineered for efficiency and future-readiness

- The advanced processor architecture delivers exceptional multitasking power for smooth operation of complex applications without lag or downtime.
- Its energy-efficient design reduces operational costs and heat output, contributing to a cooler, more reliable system over the long term.
- This is a solution built not just for today's challenges, but for the evolving demands of tomorrow's industrial landscape.



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	16 GB
SSD Storage	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
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NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	2.23kg, 2.65kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

R-i5_12l-[RAM]-[SSD]-12_10-[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

Thinix = Thinix™ 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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