



Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

2TB SSD

Dual Band WiFi

Without OS

SKU: R-I7_12L-16-M2048-12_7-M-W_OS-0



Unleash powerful performance in a palm-sized powerhouse.

Engineered for demanding professionals

The Thinvent® Neo R/4 is where serious computing meets remarkable space-saving design. This compact unit delivers robust, reliable power for a multitude of industrial and commercial applications, ensuring your operations never miss a beat.

Key Benefits

- ****Uncompromising Reliability:**** Built with industrial-grade steel, the Neo R/4 is engineered for 24/7 operation in diverse environments, from the shop floor to the digital signage network.
- ****Connectivity at its Core:**** With dual Gigabit LAN ports, you gain unparalleled network flexibility and redundancy for critical data transfer and network management tasks.
- ****Silent and Efficient Operation:**** A fanless design means zero noise, minimal dust intake, and reduced maintenance, making it perfect for quiet offices, retail spaces, or control rooms.

- ****Maximum Deployment Flexibility:**** Its ultra-compact form factor allows installation virtually anywhere—behind monitors, under desks, or mounted discreetly out of sight.
- ****Ready for Your Vision:**** Supplied without an operating system, it offers complete freedom to install your preferred software platform, from Linux distributions to a tailored Windows environment.

Perfect for

- Digital signage and interactive kiosks
- Industrial automation and control systems
- Thin client and virtual desktop infrastructure (VDI)
- Network security appliances and firewalls
- Edge computing and IoT gateways

Choose the Thinvent Neo R/4 Mini PC. It's the robust, adaptable, and professional-grade computing solution that works tirelessly so your business can thrive.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	2048 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
RS485 Option	1

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	1.72kg, 2.13kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

R-i7_12l-[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

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