



Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

4GB DDR4 RAM

2TB SSD

No WiFi

Without OS

DB9 Serial



SKU: R-I7_12L-4-M2048-12_5-X-W_OS-1S

Unleash big performance from a remarkably small footprint.

Engineered for demanding industrial environments, the Thinvent® Neo R/4 delivers unwavering reliability in a compact, robust chassis. It's the steadfast digital heart for critical operations, built to thrive where standard computers falter.

Perfect for your most critical applications

- Seamlessly powering digital signage, interactive kiosks, and point-of-sale systems with consistent, lag-free operation.
- Acting as a dedicated controller or gateway in automation, process monitoring, and machine vision setups.
- Providing a durable, always-on foundation for network appliances, thin clients, and security installations.

Why choose the Neo R/4

Its fanless, steel construction ensures silent, dust-resistant operation in extended duty cycles, from factory floors to retail spaces.

Dual Gigabit Ethernet ports offer robust network redundancy and connectivity for data-intensive tasks.

The legacy serial port provides direct, hassle-free integration with a vast range of industrial machinery and specialised equipment.

Designed for 24/7 reliability, it delivers powerful processing exactly where and when you need it, year after year.

Install your preferred operating system and deploy with absolute confidence. The Neo R/4 is the robust, no-nonsense computing solution that just works.



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	4 GB
SSD Storage	2048 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
Serial Port	1 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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	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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