



Thinvent Neo R/4 Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

64GB DDR5 RAM (2 x 32GB)

1TB SSD

No WiFi

Ubuntu Linux

SKU: R-CU5_14L-32_5_32_5-M1024-12_5-X-U-0



Engineered for Endurance: The Rugged Mini PC for Demanding Environments

Perfect for Critical Operations

Meet the Thinvent® Neo R/4, the compact powerhouse built to deliver unwavering reliability where it matters most. This isn't your average desktop computer; it's a purpose-built industrial solution designed to thrive in settings where stability is non-negotiable.

Why the Neo R/4 is Your Ideal Partner

- Experience robust, fanless operation for silent and maintenance-free performance in dusty or sensitive areas.
- Benefit from rock-solid stability with a dedicated industrial operating system, free from unnecessary bloat and distractions.
- Deploy with absolute confidence in harsh conditions, thanks to its rugged steel construction and wide operating tolerance.

- Leverage dual Ethernet ports for creating reliable network connections or integrating seamlessly into complex industrial setups.
- Achieve significant space savings with its ultra-compact form factor, mounting easily in control cabinets or behind displays.

Built for the Real World

Ideal for digital signage, factory automation, thin client deployments, or as a dedicated monitoring station, the Neo R/4 provides the dependable computing backbone your operations require. It's the set-and-forget solution that just works, day in and day out. Choose the mini PC that prioritises durability and seamless integration. Choose Thinvent.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	1024 GB

DISPLAY

HDMI 2.0	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
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	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

R-cu5_14l-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]

RAM

8_5 = 8GB DDR5

16_5 = 16GB DDR5

32_5 = 32GB DDR5

32_5_32_5 = 64GB
DDR5 RAM (2 x
32GB)16_5_16_5 = 32GB
DDR5 RAM (2 x
16GB)

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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