



Thinvent Neo R/4 Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM (2 x 16GB)

32GB MLC SSD

Dual Band WiFi

Ubuntu Linux

SKU: R-CU5_14L-16_5_16_5-S32-12_5-M-U-0



Unleash big power from a compact footprint.

The Thinvent® Neo R/4 Mini PC is engineered to be the resilient, silent partner for your business-critical applications. This isn't just another desktop; it's a robust, space-saving solution built for 24/7 reliability in demanding environments.

Engineered for endurance

- Thrives in industrial settings, from factory floors to digital signage arrays, with steadfast performance.
- Its dual Gigabit LAN ports ensure unwavering network connectivity, perfect for firewall duties or network monitoring.
- Pre-installed with the secure and efficient Ubuntu Linux, offering a stable platform free from licensing headaches.

- The whisper-quiet, fanless design means zero moving parts for maximum durability and no distracting noise.
- Effortlessly integrates behind a monitor or in tight cabinets, freeing up valuable workspace.

Built for business, ready for anything

From powering point-of-sale systems and thin clients to managing IoT gateways and kiosks, the Neo R/4 delivers dependable computing where you need it most. Its industrial-grade construction is built to last, ensuring your operations keep running smoothly. Choose the compact powerhouse that works as hard as you do.



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	32 GB
SSD Storage	32 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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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