Thinvent Neo R/4 Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

8GB DDR5 RAM

256GB SSD

No WiFi

Windows 11 IoT Value



SKU: R-CU5_14L-8_5-S256-12_7-X-11V-0

Industrial-grade computing power, perfectly packaged for purpose.

Unleash the heart of your operation

The Thinvent Neo R/4 Mini PC delivers focused, reliable performance for demanding environments. This isn't about flashy features; it's about steadfast dependability where it matters most.

Built for the real world

- Engineered for 24/7 operation in commercial and industrial settings, from digital signage to process control.
- Its rugged, compact steel housing is designed to withstand challenging conditions, ensuring continuous uptime.
- Dual Gigabit LAN ports provide robust, wired network connectivity for critical data transfer and system integration.

Simplify and secure your deployment

- Arrives with Windows 11 IoT Enterprise, offering a stable, long-term platform with enhanced security features for embedded applications.
- Its fanless, silent design and low power consumption make it ideal for noise-sensitive or energy-conscious installations.
- The versatile mounting options and small footprint allow for seamless integration into virtually any space.

Choose the Neo R/4 for a computing solution that prioritises unwavering reliability over unnecessary complexity. It's the dependable core for your essential systems.





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	8 GB
SSD Storage	256 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	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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value

Thinvent Neo R/4 Mini PC

Ordering Information

PRODUCT CODE

`R-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]`

RAM	**8_5** = 8GB DDR5	**16_5** = 16GB DDR5	**32_5** = 32GB DDR5	**32_32_5** = 64GB DDR5 RAM (2 x 32GB)
	16_16_5 = 32GB DDR5 RAM (2 x 16GB)	**8_8_5** = 16GB DDR5 RAM (2 x 8GB)		
SSD	**m128** = 128GB		**m256** = 256GB	
	m512 = 512GB		**m1024** = 1TB	
	m2048 = 2TB		**S32** = 32GB MLC	
	S128 = 128GB		**S256** = 256GB	
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	110 = Windows 11 Professional		**Thinux** = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	**0** = None		**KM** = Keyboard and Mouse set	
	1S = DB9 Serial		**MK** = Mechanical Keyboard	
	Mo = Wired Optical Scroll Mouse			

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