



Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

512GB SSD

No WiFi

Without OS

DB9 Serial



SKU: R-I7_12L-32-M512-12_7-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	32 GB
SSD Storage	512 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	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
	64 = 64GB DDR4			
SSD	m128 = 128GB		m256 = 256GB	
	m32 = 32GB		m512 = 512GB	
	m1024 = 1TB		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	
	Thinix = Thinix™ 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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