



Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM

1TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: R-I7_12L-64-M1024-12_5-M-U-0



Think Big, Deploy Small: The Neo R/4 Mini PC

The Neo R/4 redefines compact power for demanding industrial environments. This isn't just a small computer; it's a robust, silent, and incredibly versatile solution designed to thrive where others can't.

Ideal For

- Digital Signage & Kiosks: Deliver stunning visuals and seamless interactivity in retail or public spaces.
- Edge Computing & IoT Gateways: Process data locally with reliable dual LAN connectivity for robust network integration.
- Industrial Automation: A dependable, fanless heart for control systems, monitoring stations, and production line PCs.

- Space-Constrained Offices: A clutter-free desktop powerhouse for productivity and specialised business applications.

Why Choose the Neo R/4

Experience the perfect blend of substantial processing muscle and unwavering reliability. Its rugged, steel construction is built for 24/7 operation, while the efficient, fanless design ensures silent running and protection against dust. With its dual Gigabit Ethernet and flexible connectivity, it integrates seamlessly into complex setups. Pre-installed with a stable, open-source operating system, it's ready to deploy out of the box, offering a secure and customisable platform for your critical operations. The Neo R/4 is the compact, industrial-grade engine your next project needs.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	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-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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