



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

DOS

DB9 Serial

SKU: R-I7_12L-64-M1024-12_5-M-DOS-1S



Engineer the future, uncompromised.

Introducing the Thinvent® Neo R/4 Mini PC

Where formidable processing power meets unparalleled reliability in a remarkably compact form. This isn't just a computer; it's the resilient nerve centre for your most demanding industrial applications.

Engineered for relentless performance

- Harness advanced multi-core processing to effortlessly handle complex automation, machine vision, and real-time control tasks without lag or compromise.
- Experience rock-solid connectivity with dual Gigabit LAN ports, ensuring seamless network integration and critical data transfer for process monitoring and control systems.

- Enjoy versatile deployment in space-constrained environments, from digital signage and kiosks to rugged factory floors, thanks to its robust, industrial-grade steel construction.
- Rely on stable, consistent operation with a wide-range power input designed to withstand variable industrial power conditions, keeping your operations running smoothly.

Built for the long haul in challenging environments, the Neo R/4 delivers the dependable computing muscle you need to drive innovation and efficiency. Focus on your process, not your hardware.



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
Serial Port	1 DB9 male RS232
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	FreeDOS
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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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