



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

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

DB9 Serial

SKU: R-I7_12L-64-M256-12_7-M-11V-1S



Unleash industrial power from a tiny footprint.

The Engine for Demanding Environments

Forget bulky towers. The Neo R/4 packs a serious punch in a rugged, space-saving design. It delivers the reliable, high-performance computing you need for critical operations without the clutter or complexity.

Built to Work Where You Do

This isn't an office PC in disguise. It's engineered from the ground up for the real world. The robust steel housing shrugs off dust and vibration, while wide operating tolerances ensure flawless performance in challenging conditions. Dual LAN ports provide essential network redundancy, and legacy serial connectivity keeps your existing equipment seamlessly online.

Simplify Your Operations

Experience true plug-and-play reliability. With a pre-installed, streamlined Windows IoT operating system, the Neo R/4 boots up ready for dedicated, long-term service. Its compact size and versatile mounting options let you deploy it virtually anywhere—behind a monitor, on a wall, or integrated directly into your machinery.

Empower Your Edge

Transform data into decisive action. Whether you're automating a production line, managing a digital signage network, or running complex point-of-sale systems, the Neo R/4 provides the dependable, always-on computing backbone that keeps your business moving forward.



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	256 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	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
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Ordering Information

PRODUCT CODE			
R-i7_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4 32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB		m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB
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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