



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: R-I3_12-8_8-M256-12_7-M-11V-0



Unleash Enterprise Power in a Pocket-Sized PC.

Discover the Thinvent® Neo R/4 Mini PC, engineered for peak performance in a remarkably compact form factor. This powerful device is your ultimate solution for reliable, high-speed computing, perfectly suited for business applications, digital signage, and embedded systems.

Performance Prowess

- Driven by the Intel® Core™ i3-1215U processor, featuring 6 cores and burst speeds up to 4.4 GHz with a 10 MB cache, the Neo R/4 delivers exceptional responsiveness and seamless multitasking.
- With 8GB DDR4 RAM, you'll experience smooth operation across demanding applications, while the 32GB MLC SSD ensures lightning-fast boot-ups and rapid data access for consistent productivity.

Seamless Integration and Connectivity

- Expand your workspace with dual display support via HDMI and VGA ports.
- Stay connected with robust Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac), ensuring reliable network access whether wired or wireless.
- A generous array of two USB 3.2 and two USB 2.0 ports provides ample connectivity for all your peripherals.

- Integrated speaker out and mic in capabilities offer comprehensive audio solutions.

Built for Reliability

- Housed in durable, black powder-coated steel, this Mini PC is designed for longevity and a professional aesthetic, operating reliably between 0°C and 40°C.
- Despite its robust construction, the Neo R/4 remains incredibly lightweight at just 110 grams and boasts a compact footprint of 198mm x 200mm x 73mm, offering unparalleled placement flexibility.
- Powering your operations efficiently is a 12V 7A adapter with a wide 100~275V AC input range, backed by a 2-metre cable.

Operating System Optimized for Business

- Pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value, the Thinvent® Neo R/4 provides a secure, stable, and long-term supported platform tailored for dedicated business applications.
- Benefit from industry-recognized quality and environmental compliance with BIS, RoHS, and ISO certifications.

Elevate your operational efficiency with the Thinvent® Neo R/4 – the mini PC that redefines powerful, compact computing.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	256 GB

DISPLAY

HDMI	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
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	1.68kg, 2.10kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

R-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	32_32 = 64GB DDR4 RAM (2 x 32GB)	16_16 = 32GB DDR4 RAM (2 x 16GB)	8_8 = 16GB DDR4 RAM (2 x 8GB)	
SSD	m128 = 128GB	m256 = 256GB		
	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		
	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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