



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

128GB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial



SKU: R-I3_12-32_32-M128-12_7-X-11V-1S

Unleash Industrial-Grade Power in a Palm-Sized PC.

Discover the Thinvent® Neo R/4 Mini PC, a robust and compact computing solution engineered for demanding environments. This ultra-lightweight powerhouse, measuring a mere 198mm x 200mm x 73mm and weighing just 110 grams, integrates cutting-edge performance with essential industrial connectivity, all within a durable steel chassis.

Unmatched Performance

- Driven by an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and featuring a 10 MB cache, the Neo R/4 handles complex tasks with ease.
- Experience seamless multitasking and rapid application loading thanks to 16GB of DDR4 RAM and a swift 128GB SSD.

Built for Reliability and Connectivity

- Runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering long-term stability and enhanced security for dedicated applications where wireless connectivity might be unnecessary or undesirable.
- Essential industrial connectivity includes a dedicated DB9 male RS232 serial port, perfect for legacy systems and automation.

- Enjoy stable, high-speed wired networking with 1000 Mbps Ethernet.
- Versatile display options with 1 HDMI and 1 VGA output ensure compatibility with various monitors.
- Ample peripheral support with 2 USB 3.2 and 2 USB 2.0 ports.
- Speaker Out and Mic In provide basic audio functionality.

Robust Design and Environmental Resilience

- Crafted from steel with a durable black powder coating, ensuring longevity in challenging conditions.
- Operates reliably across temperatures from 0°C to 40°C and humidity from 20% to 80% RH (non-condensing).
Features a robust 12V 7A adapter with a wide 100~275 Volts AC input range and a convenient 2-meter cable.
- Certified with BIS, RoHS, and ISO, guaranteeing quality, safety, and environmental compliance.

The Thinvent Neo R/4 Mini PC is your ideal choice for embedded solutions, industrial control, digital signage, and specialized enterprise applications where space is at a premium and unwavering reliability is paramount.



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	64 GB
SSD Storage	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Serial Port	1 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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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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