



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)

128GB SSD

No WiFi

Windows 11 IoT Value

SKU: R-I3_12-8_8-M128-12_5-X-11V-0



Thinvent Neo R/4: Unrivalled Performance, Uncompromised Reliability.

Experience the next generation of compact computing with the Thinvent® Neo R/4 Mini PC. Engineered for demanding environments, this powerful device delivers enterprise-grade performance in an ultra-miniature, robust design, making it the ideal solution for industrial, commercial, and embedded applications.

Core Performance

- Driven by the Intel® Core™ i3-1215U processor with 6 cores, up to 4.4 GHz, and 10 MB cache, it effortlessly handles complex tasks.
- Multitask without limits thanks to an expansive 32GB DDR4 RAM.
- Enjoy lightning-fast boot-ups and application loading from the responsive 256GB SSD.

Built for Stability

- Benefit from the enhanced security and long-term stability of Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, optimized for dedicated functions.

- Ensure steadfast network integrity with a dedicated 1000 Mbps Ethernet connection, perfectly suited for environments requiring secure, wired connectivity without WiFi.
- Its durable steel housing with a professional power-coated black finish (198mm x 200mm x 73mm) protects internal components, while an astonishingly light 110-gram weight allows for flexible integration. Power is supplied via a robust 12V 7A adapter with wide 100~275V AC input.

Versatile Connectivity

- Connect dual displays via HDMI and VGA for extended workspaces.
- Four USB ports (2x USB 3.2, 2x USB 2.0), speaker out, and mic in offer comprehensive peripheral support.

Certified Quality

- Rest assured with BIS, RoHS, and ISO certifications, guaranteeing quality and environmental compliance.

The Thinvent Neo R/4 is your compact powerhouse for mission-critical operations.



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	128 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
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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	1.59kg, 2.01kg

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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