



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

256GB SSD

No WiFi

Windows 11 IoT Value



SKU: R-I5_14-32-M256-12_5-X-11V-0

Unleash uncompromising performance in a compact, purpose-built design.

The Thinvent® Neo R/4 Mini PC delivers robust computing power for demanding business and industrial applications. Engineered for peak efficiency and unwavering reliability, this mini powerhouse integrates cutting-edge technology into a durable, space-saving footprint.

Exceptional Performance

- Powered by the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with a generous 12 MB cache, ensuring seamless multitasking and rapid data processing.
- Experience unparalleled responsiveness with 32GB DDR4 RAM for smooth operation of intensive applications.
- Boot up in an instant and access your critical data at lightning speed with the integrated 128GB SSD.

Built for Reliability

- Designed for secure and stable connectivity, featuring a dedicated 1000 Mbps Ethernet port for robust wired networking, with no WiFi for enhanced security.

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a stable, long-term supported operating system tailored for commercial and industrial environments.
- Housed in a durable steel chassis with a power-coated black finish, it's built to withstand challenging conditions and operates reliably across 0°C to 40°C.

Versatile Connectivity

- Connect multiple displays with 2 HDMI ports and 1 VGA port.
- Expand your peripheral options with 2 USB 3.0 and 2 USB 2.0 ports, along with dedicated speaker out and mic in jacks.

Compact and Efficient

- Measuring just 198mm x 200mm x 73mm and weighing only 110 grams, it fits almost anywhere.
- Energy-efficient with a 12V 7A adapter and a wide 100~275V AC power input range, including a 2-metre cable.

Quality and Compliance

- BIS, RoHS, and ISO certified, ensuring adherence to the highest standards of quality and environmental responsibility.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	256 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2

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	1.23kg, 1.65kg

OPERATING SYSTEM

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

PRODUCT CODE	
R-i5_14-[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 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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