



Thinvent Neo R/4 Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

8GB DDR4 RAM

128GB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial



SKU: R-I3_13-8-M128-12_5-X-11V-1S

Thinvent® Neo R/4: Redefining Compact Power for Mission-Critical Applications.

Discover the Thinvent® Neo R/4 Mini PC, an engineering marvel designed for unparalleled performance and unwavering reliability in demanding environments. This ultra-compact powerhouse packs advanced computing capabilities into a remarkably robust and efficient design.

Performance and Speed

- Unleash lightning-fast operations with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz for seamless multitasking and rapid data processing.
- Experience unparalleled responsiveness with a massive 64GB DDR4 RAM, ensuring smooth execution of even the most memory-intensive applications.
- Store critical data and boot up instantly with the included 1TB SSD, offering both speed and ample capacity.

Robust Connectivity and Design

- Built for industrial and specialized applications, the Neo R/4 features a vital DB9 RS232 serial port, perfect for legacy systems, automation, and POS.
- Benefit from secure, high-speed wired networking via 1000 Mbps Ethernet, essential for stable operations without WiFi.
- Its durable, powder-coated black steel housing ensures longevity in challenging conditions, while being remarkably lightweight at just 110 grams.
- With dimensions of 198mm x 200mm x 73mm, it integrates effortlessly into any space-constrained setup.

Operating System and Reliability

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it offers a secure, stable, and long-term supported platform tailored for embedded solutions.
- Rest assured with BIS, RoHS, and ISO certifications, guaranteeing quality and compliance.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	8 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

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	1.52kg, 1.94kg

OPERATING SYSTEM

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

PRODUCT CODE

R-i3_13-[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

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

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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