



Thinvent Neo R/4 Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinix Embedded Linux

DB9 Serial

SKU: R-I3_13-16-M512-12_5-M-THINUX-1S



Unleash powerful performance in a minimal footprint.

Discover the Thinvent® Neo R/4 Mini PC: a compact powerhouse engineered for efficiency and reliability. This robust mini PC packs a punch with its Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz, complemented by a substantial 10 MB cache. Paired with 16GB of DDR4 RAM and a lightning-fast 256GB SSD, the Neo R/4 ensures seamless multitasking, rapid boot times, and responsive application handling, making it ideal for demanding tasks and data-intensive environments.

Operating System Excellence

Experience the dedicated efficiency of Thinvent® Thinix™ Embedded Linux, a purpose-built OS designed for optimal performance and control.

- Enjoy secure web browsing with pre-installed Chromium and Mozilla Firefox browsers.
- Benefit from advanced remote management capabilities including RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Manage your device effortlessly with browser-based remote management.
- Leverage broad application support for Java, Python, and glibc-based solutions.

- Stay productive with LibreOffice and a PDF viewer, plus multimedia playback with MPEG4 support.
- Communicate seamlessly with integrated SIP video and voice over IP.

Connectivity and Design

The Neo R/4 offers versatile connectivity in a surprisingly lightweight (110 grams) and durable steel housing, powder-coated in sleek black.

- Expand your visual workspace with HDMI and VGA ports for dual display support.
- Connect essential peripherals via 2x USB 3.2 and 2x USB 2.0 ports.
- Ensure reliable wired networking with a 1000 Mbps Ethernet port.
- Stay connected wirelessly with dual-band Wi-Fi 5 (802.11ac).
- Integrate with legacy or industrial equipment using the essential DB9 male RS232 serial port.

Engineered for continuous operation from 0°C to 40°C and certified with BIS, RoHS, and ISO, the Thinvent® Neo R/4 Mini PC is your reliable, high-performance solution for embedded applications, thin clients, and space-constrained setups.



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	16 GB
SSD Storage	512 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

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 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 Thinix = Thinix™ 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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