



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

4GB DDR4 RAM

256GB SSD

Dual Band WiFi

Thinix Embedded Linux

DB9 Serial

SKU: R-I5_14-4-M256-12_5-M-THINUX-1S



Experience Unrivaled Performance in a Featherlight Design.

Introducing the Thinvent® Neo R/4 Mini PC: a powerhouse meticulously engineered for demanding applications, packed into an impossibly compact and robust chassis. This mini PC redefines efficiency and reliability, offering enterprise-grade performance from your desktop to specialized industrial environments.

Core Performance

- Intel® Core™ 5 120U processor delivers lightning-fast processing with 10 cores and speeds up to 5.0 GHz, backed by a 12 MB cache for seamless multitasking and rapid data handling.
- Massive 64GB DDR4 RAM ensures exceptional responsiveness and future-proof capacity for the most memory-intensive tasks.
- Ultra-fast 32GB MLC SSD provides rapid boot-ups and swift application loading, optimized for embedded efficiency.

Operating System Excellence

- Powered by Thinvent® Thinix™ Embedded Linux, a secure, stable, and purpose-built OS.
- Enjoy comprehensive out-of-the-box functionality:
- Secure browsing with Chromium and Mozilla Firefox.
- Robust remote access via RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Effortless browser-based remote management and VNC shadowing for easy administration.
- Supports Java, Python, and glibc-based applications for versatile development.

- Productivity suite includes LibreOffice and a PDF viewer.
- Integrated multimedia player with MPEG4 support.
- Built-in SIP video and voice over IP for seamless communication.

Comprehensive Connectivity

- Dual HDMI and one VGA port enable versatile triple-display setups.
- Fast and reliable networking with Dual Band Wi-Fi 5 (802.11ac) and 1000 Mbps Ethernet.
- Multiple USB 3.0 (x2) and USB 2.0 (x2) ports for all your peripherals.
- Essential DB9 male RS232 serial port for industrial automation, POS, and legacy devices.
- Speaker Out and Mic In for full audio capabilities.

Designed for Durability and Efficiency

- Ultra-compact dimensions (198mm × 200mm × 73mm) and an astonishing 110-gram weight.
- Rugged steel housing with a powder-coated black finish ensures long-term durability in diverse conditions.
- Energy-efficient 12V 7A adapter with wide AC input (100~275V) for global compatibility.
- Certified with BIS, RoHS, and ISO standards, guaranteeing quality and environmental compliance.

The Thinvent Neo R/4 Mini PC is your ultimate solution for powerful, reliable, and versatile computing in a remarkably small footprint.





Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	4 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
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	1.23kg, 1.65kg

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-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 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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