



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinix Embedded Linux

DB9 Serial

SKU: R-I3_12-4-M512-12_5-M-THINUX-1S



Unleash Productivity with Compact Power and Unrivaled Versatility.

The Thinvent® Neo R/4 Mini PC is engineered for demanding environments where space is premium, but performance cannot be compromised. Experience lightning-fast responsiveness and seamless multitasking with its Intel® Core™ i3-1215U 6-core processor, boosting up to 4.4 GHz, complemented by a massive 32GB DDR4 RAM and a rapid 256GB SSD.

Connectivity for Every Need

- Versatile display options with HDMI and VGA.
- Ample peripheral connections via two USB 3.2 and two USB 2.0 ports.
- Essential legacy support with a DB9 male RS232 serial port.
- Blazing-fast wired networking with 1000 Mbps Ethernet.
- Integrated dual-band Wi-Fi 5 (802.11ac) for reliable wireless access.

Powered by Thinvent® Thinix™ Embedded Linux

- Enjoy a secure, stable, and low-maintenance operating environment.

- Comprehensive remote access and management: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Intuitive browser-based remote management.
- Essential productivity tools: Chromium and Mozilla Firefox browsers, LibreOffice, and PDF viewer.
- Multimedia capabilities with MPEG4 support.
- Robust communication with SIP video and voice over IP.
- Flexibility for custom applications with Java, Python, and glibc support.

Built for Durability and Efficiency

- Robust steel housing with a sleek black powder-coated finish.
- Ultra-compact (198mm × 200mm × 73mm) and lightweight at just 110 grams.
- Reliable operation in diverse conditions (0°C ~ 40°C).
- Certified for quality and compliance: BIS, RoHS, ISO.
- Flexible power input (100~275V AC) with a 2-metre cable.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	4 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
RS485 Option	1

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	1.59kg, 2.01kg

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_12-[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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