

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

4GB DDR4 RAM

128GB SSD

No WiFi

Thinux Embedded Linux

DB9 Serial



SKU: R-I3_12-4-M128-12_5-X-THINUX-1S

Precision Engineered Performance in a Mini Footprint.

Introducing the Thinvent® Neo R/4 Mini PC: a compact powerhouse designed for uncompromising reliability and specialized applications. Experience unparalleled speed and efficiency in a remarkably small form factor.

Unleash exceptional computing power with the Intel® Core™ i3-1215U processor, featuring 6 cores, a turbo boost up to 4.4 GHz, and 10 MB cache. Multitask effortlessly and handle demanding workloads thanks to a massive 64GB DDR4 RAM. The lightning-fast 512GB SSD ensures rapid boot times and instant application loading, keeping your operations seamless.

Robust Connectivity & Industrial Readiness

- Secure, high-speed wired networking with 1000 Mbps Ethernet. No WiFi ensures enhanced security and stable connections for critical environments.
- Essential legacy support with a dedicated DB9 male RS232 serial port, perfect for industrial automation and specialized peripherals.
- Versatile display options: 1x HDMI and 1x VGA for dual-monitor setups.
- Ample peripheral and audio connectivity: 2x USB 3.2, 2x USB 2.0, Speaker Out, and Mic In.

Powered by Thinux™ Embedded Linux

- Enjoy a secure, optimized, and stable operating environment.
- Comprehensive remote management: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Browser-based remote management for ease of access.
- Integrated productivity tools: LibreOffice, PDF viewer, Chromium, and Mozilla Firefox.
- Support for Java, Python, and glibc based custom applications.
- Multimedia capabilities including MPEG4 player and SIP video/voice over IP.

Designed for Durability

- Ultra-compact dimensions (198mm × 200mm × 73mm) and a remarkably lightweight 110 grams.
- Durable steel housing with a sleek black powder-coat finish for long-lasting performance.
- Wide operating temperature (0°C ~ 40°C) and humidity range, with BIS, RoHS, and ISO certifications affirming its quality and reliability.

The Thinvent® Neo R/4 Mini PC is your ideal solution for thin client, industrial, kiosk, and embedded applications where performance, security, and stability are paramount.



Thinvent Neo R/4 Mini PC



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	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
RS485 Option	1

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	1.59kg, 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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