

Intel processor N100

4 core, up to 3.4 GHz, 6 MB cache

64GB DDR4 RAM

32GB SSD

No WiFi

Thinix Embedded Linux

SKU: R-100-64-M32-12_2-X-THINUX-0



Unleash efficiency in a tiny package.

Introducing the Thinvent® Neo R/4 Mini PC: a powerful, purpose-built solution designed for reliability and optimal performance in demanding environments. Driven by an Intel® N100 processor (4 cores, up to 3.4 GHz) and equipped with 4GB DDR4 RAM and a swift 128GB SSD, it delivers responsive computing for specialized applications and everyday tasks.

Seamless Integration and Performance

- Experience rapid data access and smooth multitasking.
- Connect effortlessly with a 1000 Mbps Ethernet port for rock-solid network stability and enhanced security.
- Utilize a range of high-speed ports including 2x USB 3.2 Gen 2, 1x USB 3.2 Gen 1, and 1x USB C for all your peripherals.
- Drive dual displays with HDMI and VGA outputs, complemented by full audio support for speaker and microphone.

Secure and Smart with Thinix™

- Empower your operations with Thinvent® Thinix™ Embedded Linux, a robust, secure, and purpose-built operating system.

- Enjoy comprehensive remote management capabilities including RDP 10, SSH, VNC shadowing, and intuitive browser-based access.
- Boost productivity with built-in Chromium, Mozilla Firefox, LibreOffice, PDF viewer, and multimedia support.
- Facilitate communication with SIP video and voice over IP.
- Develop custom solutions effortlessly with Java, Python, and glibc application support.

Ultra-Compact and Durable Design

- At just 110 grams and a mere 198mm x 200mm x 73mm, this Mini PC is engineered for space-constrained deployments.
- Its robust steel housing with a sleek black powder coating ensures long-term durability and a professional aesthetic.
- Benefit from energy-efficient operation with a low-power 12V 2A adapter, minimizing running costs.

The Thinvent Neo R/4 is your certified choice for secure thin clients, digital signage, industrial control, and embedded systems where unwavering performance, remote manageability, and robust security are paramount. Built with BIS, RoHS, and ISO certifications, it guarantees quality and compliance.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	N
Processor Brand	Intel
Processor Model	N100
Cores	4
Max Frequency	3.4 GHz
Cache	6 MB
Main Memory	64 GB
SSD Storage	32 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2 Gen 2	2
USB 3.2 Gen 1	1
USB C	1
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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POWER

DC Voltage	12 Volts
DC Current	2 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 0.9 Amps maximum
Cable Length	1 Metre

ENVIRONMENTAL

Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

PHYSICAL

Form Factor	Mini PC
Thermal Design	Fanless Passive Cooling
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	1.19kg, 1.61kg

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-100-[RAM]-[SSD]-12_5-[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 11I = Windows 11 IoT 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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