



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

8GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: R-I3_12L-8-M128-12_5-M-11V-0



Built for business, not just the box.

The Thinvent® Neo R/4 Mini PC delivers big performance in a small, robust package. It's the reliable digital heart for your operations, designed to thrive where ordinary PCs would falter. From the shop floor to the digital signage network, this is computing power you can trust day in, day out.

Uncompromising reliability for your essential tasks

- Keeps your critical business applications and digital displays running smoothly and without interruption.
- Its robust steel chassis and industrial-grade components ensure steadfast operation in demanding environments.
- Dual Ethernet ports provide flexible and reliable network connectivity for secure data transfer and system management.

- The compact, space-saving design installs effortlessly almost anywhere, freeing up valuable workspace.

Perfect for powering your digital ecosystem

- An ideal, always-on engine for digital signage, point-of-sale systems, and interactive kiosks.
- Efficiently handles thin client duties, office productivity suites, and control room monitoring.
- Provides a dependable, low-maintenance computing foundation for light industrial automation and IoT gateways.

Simplify your infrastructure with a solution built to last. The Neo R/4 minimises downtime and maximises productivity, letting you focus on your business, not your IT.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	8 GB
SSD Storage	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE	
R-i3_12l-[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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