

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

8GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: R-I3_12L-8-M256-12_5-M-11P-1S



Unleash big performance from a remarkably compact industrial powerhouse.

Engineered for Reliability

- Built with rugged, powder-coated steel to withstand demanding industrial environments.
- Operates flawlessly in a wide range of temperatures, ensuring continuous uptime.
- Certified to the highest industry standards, so you can trust it day in, day out.

Connect and Control with Ease

- Dual Gigabit Ethernet ports provide rock-solid, high-speed network connectivity for critical data.
- Includes a legacy DB9 serial port for seamless integration with existing machinery and specialised equipment.

- Versatile dual-band Wi-Fi keeps you connected wirelessly without compromising on stability.

Perfect for Space-Constrained Applications

- Its mini PC form factor fits effortlessly into control cabinets, kiosks, or behind displays.
- Delivers the full power of Windows 11 Pro in a fraction of the space of a traditional desktop.
- An ideal, robust computing core for digital signage, factory automation, thin clients, and IoT gateways.

The Thinvent Neo R/4 is your dependable partner for industrial computing. It's the robust, versatile, and compact solution designed to keep your operations running smoothly.



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	8 GB
SSD Storage	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
Serial Port	1 DB9 male RS232
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 Pro
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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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