

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

4GB DDR4 RAM

256GB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: R-I3_12L-4-M256-12_7-M-W_OS-1S



Power in a pint-sized package, ready for your toughest tasks.

Engineered for the real world

The Thinvent Neo R/4 is the compact industrial workhorse you can trust in demanding environments. Its robust steel chassis is built to withstand vibration, dust, and the rigours of 24/7 operation, providing unwavering reliability where it matters most.

Connectivity without compromise

Seamlessly integrate into any setup with legacy and modern connections. The dedicated RS232 serial port ensures smooth communication with specialised equipment, while dual Gigabit Ethernet ports guarantee rock-solid, high-speed network links for critical data transfer.

Adaptable and efficient performance

With its capable processing power, this mini PC effortlessly handles digital signage, point-of-sale systems, and light industrial automation. Its fanless, low-power design ensures silent, reliable operation, reducing energy costs and eliminating a common point of failure.

Simplify your deployment

- Pre-installed with no operating system for complete software freedom.
- Compact form factor saves crucial space in control cabinets and kiosks.
- Versatile mounting options allow for flexible installation anywhere.
- Ready to run your chosen specialised software right out of the box.



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	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	7 Amps
Power Input	100~275 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	1.68kg, 2.10kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE			
R-i3_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4 32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB		m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB
Wireless	m = Dual Band WiFi		X = No WiFi
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux		W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse		KM = Keyboard and Mouse set MK = Mechanical Keyboard

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