

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

16GB DDR4 RAM

1TB SSD

No WiFi

Without OS

DB9 Serial



SKU: R-I3_12L-16-M1024-12_5-X-W_OS-1S

Unleash reliable industrial computing power, perfectly packaged.

Ideal for demanding applications

This compact, robust mini PC is engineered for 24/7 operation in challenging environments. Its fanless, solid-state design ensures silent running and exceptional reliability, free from the dust and failure points of moving parts. The rugged steel chassis stands up to vibration, shock, and wide temperature ranges, making it the steadfast core for your critical operations.

Key advantages for your business

- Drive digital signage, kiosks, or control panels with unwavering stability.
- Perfect as a dedicated machine controller or PLC companion in manufacturing and automation.

- Leverage dual Gigabit LAN ports for network redundancy or creating secure, isolated networks.
- Utilise the legacy DB9 serial port to seamlessly connect and manage older industrial equipment and peripherals.
- Enjoy ultimate software freedom; install your preferred, lean operating system for complete control and security.

Built to perform without compromise, the Neo R/4 delivers dependable processing muscle where you need it most. Simplify your infrastructure with a compact, industrial-grade solution that just works.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	1024 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

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	Without OS
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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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