



Thinvent Neo R/4 Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: R-I3_12L-4-M128-12_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.



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	128 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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