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

DB9 Serial



SKU: R-I3_12L-8-M128-12_7-M-11V-1S

Big power, small footprint. The Thinvent® Neo R/4 Mini PC is the robust and versatile engine your business operations demand, delivering enterprise-grade reliability in a remarkably compact chassis.

Uncompromising performance for demanding environments

- Experience smooth, responsive operation for everything from digital signage and POS systems to industrial automation, thanks to its powerful Intel® Core™ architecture.
- Its dual Gigabit Ethernet ports ensure rock-solid, high-speed network connectivity for critical data transfer and communication.
- Maintain seamless integration with legacy machinery and peripherals through the built-in DB9 serial port, a vital feature for modernising factory floors and retail setups.

Engineered for relentless reliability

- Designed with a durable steel housing, it stands up to the rigours of 24/7 operation in commercial and light industrial settings.
- Its efficient, fanless design allows for silent, maintenance-free running, eliminating dust ingress and moving parts that can fail.
- The flexible 12V DC power input and wide operating temperature range ensure dependable performance wherever your application is located.

Get the robust computing solution that just works. The Neo R/4 is your dependable partner for powering innovation without compromise.



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	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	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	335mm × 240mm × 110mm
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value

Thinvent Neo R/4 Mini PC

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
	32_32 = 64GB DDR4 RAM (2 x 32GB)	**16_16** = 32GB DDR4 RAM (2 x 16GB)	**8_8** = 16GB DDR4 RAM (2 x 8GB)	
SSD	**m128** = 128GB		**m256** = 256GB	
	m512 = 512GB		**m1024** = 1TB	
	m2048 = 2TB		**S32** = 32GB MLC	
	S32T = 32GB		**S128** = 128GB	
	S256 = 256GB		**h1024** = 1TB HDD	
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	11O = Windows 11 Professional		**Thinux** = Thinux™ 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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