



Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

2TB SSD

No WiFi

DOS

DB9 Serial



SKU: R-I7_12L-16-M2048-12_7-X-DOS-1S

Unleash robust computing power in a remarkably compact form.

Engineered for demanding environments

The Thinvent® Neo R/4 Mini PC is built to deliver unwavering performance where it matters most. Its industrial-grade steel housing ensures steadfast reliability in settings where standard office computers simply can't cope. Experience the seamless operation required for critical automation and control tasks without the bulk of a traditional tower.

Ideal for industrial applications

This versatile unit is the perfect core for a wide range of specialised systems. Its dual Gigabit LAN ports and legacy serial connection provide essential connectivity for machine interfacing and network management.

- Drive digital signage and kiosks with flawless, 24/7 operation.

- Form the reliable heart of automation panels and PLC systems.
- Manage network appliances and thin client setups with absolute dependability.
- Process data at the edge for IoT gateways with silent, fanless efficiency.

Simplify integration, maximise uptime

Forget about unnecessary extras and software bloat. Supplied with FreeDOS, the Neo R/4 offers a clean, stable foundation, allowing you to install only the dedicated software your project requires. Its compact, VESA-mountable design and wide-range power input make installation and deployment straightforward in virtually any location. Choose the industrial-grade computing solution that focuses purely on performance and resilience.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	2048 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	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	1.72kg, 2.13kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE

R-i7_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	m1024 = 1TB	
	m512 = 512GB	S32 = 32GB MLC	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		
	110 = Windows 11 Professional	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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