

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

8GB DDR4 RAM

128GB SSD

No WiFi

DOS

DB9 Serial



SKU: R-I7_12L-8-M128-12_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	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

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 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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