

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

8GB DDR4 RAM

256GB SSD

No WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: R-I7_12L-8-M256-12_5-X-DOS-KM



Unleash serious power in a surprisingly small footprint. The Thinvent® Neo R/4 Mini PC is engineered for demanding environments where space is at a premium but compromise is not an option.

Built for relentless performance

- Tackle intensive industrial applications, digital signage, and complex data processing with the effortless speed of a high-performance Intel processor.
- Experience exceptional reliability and stability for 24/7 operation, keeping your critical systems running without interruption.

Engineered for robust connectivity

- Harness the flexibility of dual Gigabit LAN ports for network redundancy, load balancing, or connecting to separate networks with total ease.

- A comprehensive array of ports ensures seamless integration with a vast range of peripherals and legacy equipment.

Designed for durability and simplicity

- Its rugged, compact steel chassis is built to withstand the rigours of industrial settings, from factory floors to control rooms.
- Get up and running instantly with a complete, ready-to-work package that includes a keyboard and mouse, minimising setup time and complexity.

Ideal for industrial automation, thin client deployments, or as a powerful embedded controller. The Neo R/4 delivers robust, dependable computing power exactly where you need it.



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	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
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	2.14kg, 2.56kg

ACCESSORIES

Keyboard and Mouse	1
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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
	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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