Thinvent Neo R/4 Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

512GB SSD

No WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: R-I7_12L-32-M512-12_7-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.

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	32 GB
SSD Storage	512 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	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	2.23kg, 2.65kg

ACCESSORIES

Keyboard and Mouse	1

OPERATING SYSTEM

Operating System	FreeDOS

Thinvent Neo R/4 Mini PC

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	
	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	
	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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