



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

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: R-I7_12L-32-M512-12_5-M-U-1S



Unlock industrial power, reimagined for the compact edge.

Thinvent Neo R/4 Mini PC: The robust, ready-to-deploy brain for your most demanding automation and digital signage projects. This isn't just another small computer; it's a purpose-built engine designed to thrive where reliability and connectivity are non-negotiable.

Engineered for the real world

- Seamlessly integrates into kiosks, interactive displays, and complex machinery control panels.
- Its powerful processing handles multiple data streams and intensive visual applications without breaking a sweat.
- Dual Ethernet ports ensure rock-solid, fail-safe network connectivity for critical operations.

- Built to withstand the rigours of 24/7 operation in challenging environments, from the factory floor to the retail front line.

Why choose the Neo R/4?

- Achieve maximum uptime with a stable, secure Ubuntu Linux foundation, free from licensing headaches.
- Future-proof your investment with versatile legacy and modern I/O, connecting effortlessly to both new and existing equipment.
- Dramatically reduce your footprint and energy consumption without sacrificing an ounce of performance.
- Deploy with confidence, backed by industrial-grade construction and comprehensive certifications.

Stop compromising. Deploy the compact powerhouse that delivers industrial resilience right out of the box.



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
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	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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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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