



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: R-15_14-16-M512-12_5-M-11P-1S



Unleash Mighty Performance in a Mini Package

Experience the power of big computing in a compact form factor with the Thinvent® Neo R/4 Mini PC. Engineered for demanding tasks, this ultra-efficient machine redefines productivity for a diverse range of applications.

Unrivaled Performance

- Drive your projects with an Intel® Core™ 5 120U processor, featuring 10 cores and blistering speeds up to 5.0 GHz, backed by a generous 12 MB cache for seamless multitasking and complex operations.
- Tackle intensive applications and switch effortlessly between tasks with an expansive 64GB DDR4 RAM.
- Enjoy instant boot-ups and rapid data access from the 128GB SSD, ensuring a responsive user experience.

Extensive Connectivity

- Hook up multiple displays for enhanced productivity with 2 HDMI and 1 VGA port.
- Benefit from versatile peripheral support through 2 USB 3.0 and 2 USB 2.0 ports.
- Integrate effortlessly with industrial or legacy systems via the essential 1 DB9 male RS232 serial port.

- Stay connected with blazing-fast 1000 Mbps Ethernet and reliable dual-band Wi-Fi 5 (802.11ac) for seamless networking.
- Complete audio connectivity with dedicated speaker out and mic in ports.

Built for Reliability

- Housed in durable steel with a sleek black power-coated finish, it's designed for longevity and a professional aesthetic.
- Its minuscule dimensions (198mm x 200mm x 73mm) and ultra-light 110 grams weight make it an ideal space-saving solution for any environment.
- Comes pre-installed with Microsoft Windows 11 Pro, offering a secure, productive, and modern computing experience right out of the box.
- Operates reliably within 0°C to 40°C and 20% to 80% RH (non-condensing), perfect for various commercial settings.
- Certified for quality and safety with BIS, RoHS, and ISO standards, ensuring peace of mind.
- Powered efficiently by a robust 12V 7A adapter with a convenient 2-metre cable, accepting 100~275V AC input.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2
Serial Port	1 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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	1.23kg, 1.65kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

R-i5_14-[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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