



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: R-I5_14-8-S32-12_5-M-11V-0



Unleash unparalleled power in an incredibly compact form factor.

Thinvent® Neo R/4 Mini PC: Your Command Centre, Reimagined

Experience the ultimate blend of high performance and remarkable portability with the Thinvent® Neo R/4 Mini PC. Engineered for demanding tasks, this compact powerhouse fits seamlessly into any environment, from busy offices to specialized industrial settings.

Unrivalled Performance

- Driven by the Intel® Core™ 5 120U processor, featuring 10 cores and speeds up to 5.0 GHz with a 12 MB cache, it effortlessly handles intensive applications and complex multitasking.
- 16GB DDR4 RAM ensures buttery-smooth operation, even with multiple programs running simultaneously.
- A 128GB SSD delivers lightning-fast boot times and instant application loading, significantly boosting your productivity.

Enterprise-Grade Reliability

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering advanced security features, long-term support, and tailored IoT capabilities for specialized applications.

- Robust steel housing with a durable powder-coated black finish ensures exceptional longevity.
- Certified with BIS, RoHS, and ISO standards, guaranteeing quality and compliance.

Comprehensive Connectivity & Design

- Dual HDMI and a VGA port support versatile triple display setups for expansive workspaces.
- Four USB ports (2x USB 3.0, 2x USB 2.0) provide ample connectivity for all your peripherals.
- Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) ensure reliable, high-speed networking.
- Exceptionally compact at 198mm x 200mm x 73mm and weighing a mere 110 grams, it's designed for space efficiency without compromise.
- Operates reliably in temperatures from 0°C to 40°C, making it suitable for diverse operational settings.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	32 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2

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 IoT Enterprise LTSC 2024 Value
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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
	64 = 64GB DDR4		32 = 32GB 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
	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		

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

