



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

256GB SSD

No WiFi

Without OS

DB9 Serial



SKU: R-I5_14-8-M256-12_5-X-W_OS-1S

Thinvent® Neo R/4: Compact Power, Unyielding Performance.

Experience uncompromising reliability and powerful performance with the Thinvent® Neo R/4 Mini PC, engineered for demanding industrial and specialized applications. This robust system packs a punch with its Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz, backed by a generous 12 MB cache for exceptional multitasking and responsiveness.

Seamless Operation

- Power through your applications with 16GB DDR4 RAM.
- Enjoy ultra-fast boot times and reliable operation from the 32GB MLC SSD.

Connectivity & Control

- Connect multiple displays with 2 HDMI and 1 VGA port.
- Access legacy devices and industrial controls via the essential 1 DB9 male RS232 serial port.
- Benefit from secure, high-speed networking with 1000 Mbps Ethernet.

- Utilize 2 USB 3.0 and 2 USB 2.0 ports for all your peripherals.
- Integrated speaker out and mic in for audio needs.

Built for Durability

- Housed in a durable, black powder-coated steel chassis, measuring just 198mm x 200mm x 73mm and weighing only 110 grams.
- Designed to operate reliably in challenging environments from 0°C to 40°C and 20% to 80% non-condensing humidity.
- A wide-ranging 100~275V AC power input (with 12V 7A adapter) ensures stable operation.
- Certified for quality and compliance with BIS, RoHS, and ISO standards.

Customizable Foundation

- Arrives without an operating system, offering a clean slate for tailored software installations.
- No WiFi ensures a secure, controlled network environment, ideal for critical infrastructure.



Thinvent Neo R/4 Mini PC



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	256 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
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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	Without OS
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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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