

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)**256GB SSD****No WiFi****Ubuntu Linux****Thinvent Keyboard and Mouse set**

SKU: R-I5_12H-8_8-M256-12_5-X-U-KM

Powerful computing, compact footprint – the Neo R/4 Mini PC is engineered for industrial environments where reliability and performance are non-negotiable.

Purpose-built for edge computing

- Tackle complex automation tasks, digital signage, or data acquisition with ease thanks to the latest-generation Intel Core i5 processor and eight high-performance cores
- Slip this small, rugged steel chassis into tight spaces – on a factory floor, behind a kiosk, or inside a control cabinet – without sacrificing capability
- Start working straight out of the box: pre-loaded with Ubuntu Linux 24.04 LTS and paired with a Thinvent keyboard and mouse set, so you can deploy immediately

- Connect easily to legacy and modern peripherals with HDMI, VGA, dual USB 3.2, dual USB 2.0, and a gigabit Ethernet port
- Save energy and simplify installation with a low-voltage 12V DC power supply, keeping heat and noise to a minimum

Why professionals choose Thinvent

- Every unit is built from powder-coated steel for durability and certified to BIS, RoHS, and ISO standards – quality you can trust
- Backed by decades of industrial computing expertise, the Neo R/4 is a direct, worry-free alternative to other compact PCs on the market

Designed for continuous duty

- Run 24/7 in demanding conditions – the Neo R/4 operates reliably between 0°C and 40°C, perfect for unventilated or warm environments

Equip your next project with a mini PC that delivers genuine industrial-grade performance – no compromises, no unnecessary complexity.



Thinvent Neo R/4 Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

NETWORKING

Ethernet	1000 Mbps
----------	-----------

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	2.14kg, 2.56kg

ACCESSORIES

Keyboard and Mouse	1
--------------------	---

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
------------------	------------------------

Ordering Information

PRODUCT CODE

R-i5_12H-[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			

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

