



Thinvent Neo H Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

64GB DDR5 RAM (2 x 32GB)

128GB SSD

Dual Band WiFi

Without OS

SKU: H-CU5_14L-32_5_32_5-S128-12_5-M-W_OS-0



Unleash formidable industrial computing power in a compact, robust chassis.

Meet the Neo H: The High-Performance Industrial Workhorse

The Neo H is our most powerful and capable mini PC, engineered to thrive in demanding environments. Built on the strength of our bestselling Neo platform, it delivers exceptional processing muscle and rock-solid reliability for mission-critical operations. This is a true industrial-grade workhorse, 100% designed and made in India.

Engineered for Demanding Applications

- Power through complex industrial control, automation, and monitoring tasks with smooth, responsive performance.
- Its solid steel construction ensures exceptional durability, standing up to the rigours of factory floors and harsh operational settings.

- Dual LAN ports provide essential network redundancy and flexible connectivity for seamless integration into your systems.
- A host of ports offers versatile connectivity for a wide range of peripherals and displays, simplifying your setup.

Built for Reliability, Designed for India

- Experience unwavering stability with a design tested for continuous operation in challenging conditions.
- Benefit from local design and manufacturing, ensuring support and a product built for regional requirements.
- Deploy a supremely capable, compact computing solution that saves space without compromising on power or resilience.

The Thinvent Neo H: Where high-performance computing meets industrial-grade fortitude.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	128 GB

DISPLAY

HDMI 2.0	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
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	210mm × 202mm × 80mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.73kg, 2.14kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

H-cu5_14l-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]

RAM	8_5 = 8GB DDR5	16_5 = 16GB DDR5	32_5 = 32GB DDR5	32_5_32_5 = 64GB DDR5 RAM (2 x 32GB)
	16_5_16_5 = 32GB DDR5 RAM (2 x 16GB)			
SSD	m128 = 128GB	m256 = 256GB		
	m512 = 512GB	m1024 = 1TB		
	m2048 = 2TB	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		
	110 = Windows 11 Professional	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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