



Thinvent Neo H Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

16GB DDR5 RAM

512GB SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-CU5_14L-16_5-M512-12_5-M-DOS-KM



Powerful Performance, Unmatched Reliability: The Neo H Mini PC.

The industrial workhorse that never backs down. Introducing the Thinvent® Neo H, the high-performance evolution of our bestselling model, designed and built to excel in demanding environments.

Built for the Tough Jobs

From factory floors to control rooms, the Neo H thrives where others falter. Its solid steel construction and robust design ensure unwavering reliability for critical industrial applications like process control, automation, and digital signage. This is 100% Indian-engineered durability you can count on.

Connectivity at its Core

Stay seamlessly integrated with a host of connectivity options. With dual LAN ports and comprehensive I/O, it effortlessly interfaces with a vast array of industrial equipment and networks, streamlining your operations and reducing complexity.

Compact Powerhouse

Harness the raw processing power of a next-generation Intel® Core™ Ultra processor within a remarkably compact frame. This mighty mini PC delivers the responsive performance needed for smooth multitasking and real-time data handling, without consuming valuable space. It's the substantial power your industrial applications demand, in a perfectly sized package.

Ready to Deploy

Get up and running immediately. The Neo H arrives complete with a Thinvent® keyboard and mouse set, offering a true out-of-the-box solution for your industrial computing needs.

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	16 GB
SSD Storage	512 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	2.24kg, 2.66kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	FreeDOS
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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		
	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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