



Thinvent Neo H Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM

128GB SSD

No WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-CU5_14L-32_5-S128-12_5-X-
DOS-KM



Power Through Demanding Tasks with Unwavering Reliability.

Introducing the Neo H Mini PC: The High-Performance Industrial Workhorse

Engineered for the most rigorous environments, the Neo H is our most robust mini PC, built to deliver exceptional performance where it matters most. It's 100% designed and made in India with a solid steel build for ultimate durability in industrial settings.

Ideal Use Cases

- Central control unit for factory automation and machinery.
- A dependable digital signage hub for dynamic displays.
- The core processing node for kiosks, POS systems, and interactive terminals.
- A versatile platform for specialised monitoring and control applications.

Why Choose the Neo H?

- Experience robust performance from a powerful Intel® Core™ Ultra processor, handling complex industrial software with ease.
- Benefit from extensive connectivity with dual LAN ports and multiple display outputs for seamless system integration.
- Rely on its rugged, all-steel construction to withstand the demands of 24/7 operation in challenging conditions.
- Enjoy the peace of mind that comes with a purpose-built industrial computer, designed and manufactured for unwavering reliability.

Deploy the powerhouse. Choose the Thinvent Neo H.



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	32 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

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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