



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

32GB MLC SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-CU5_14L-16_5-S32-12_7-M-U-0



Power Through the Toughest Industrial Tasks with Unmatched Reliability.

Introducing the Thinvent® Neo H Mini PC

The high-performance evolution of our bestselling Neo series. This is our most formidable industrial computer, engineered from the ground up in India to be an unwavering workhorse in demanding environments. Forget about fragile consumer-grade hardware; this machine is built with solid steel for ultimate durability.

Engineered for Demanding Environments

- Withstand the rigours of the factory floor, built solidly to keep running day in, day out.
- Connect to a vast array of legacy and modern industrial equipment with its comprehensive suite of ports.

- Deploy with confidence in diverse settings, thanks to its robust operating temperature range and trusted certifications.

Your Command Centre for Industrial Control

This is the powerful core your operation needs. It delivers the seamless, responsive performance required for real-time monitoring, machine control, and complex automation tasks. The dual LAN ports ensure critical network reliability, while the efficient design keeps things running coolly and quietly. Pre-loaded with a stable, open-source operating system, it's ready to integrate into your system and start driving productivity.

Choose the industrial-grade powerhouse that's 100% designed and made for India's toughest challenges.



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	32 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	7 Amps
Power Input	100~275 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	181.5mm × 199.5mm × 72mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.82kg, 2.24kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE				
H-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]				
RAM	8_5 = 8GB DDR5	16_5 = 16GB DDR5	32_5 = 32GB DDR5	32_32_5 = 64GB DDR5 RAM (2 x 32GB)
	16_16_5 = 32GB DDR5 RAM (2 x 16GB)	8_8_5 = 16GB DDR5 RAM (2 x 8GB)		
SSD	m128 = 128GB	m256 = 256GB		
	m512 = 512GB	m1024 = 1TB		
	m2048 = 2TB	S32 = 32GB MLC		
	S128 = 128GB	S256 = 256GB		
	h1024 = 1TB HDD			
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	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			

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