



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

32GB MLC SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-CU5_14L-32_5-S32-12_5-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	32 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	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	Ubuntu Linux 24.04 LTS
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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

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

Thinix = Thinix™ Embedded Linux

W_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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