



Thinvent Neo H Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

8GB DDR5 RAM

512GB SSD

No WiFi

Windows 11 Professional

SKU: H-CU5_14L-8_5-M512-12_5-X-11O-0



Meet the Neo H: the industrial workhorse that never breaks a sweat.

Engineered for the toughest shifts, the Neo H is the high-performance flagship of our celebrated Neo family. This is the machine you turn to when standard PCs simply won't cut it – a robust, reliable partner for industrial control, automation, and demanding edge applications that run around the clock.

Why you should make it yours

- Uncompromising muscle: Powered by the latest Intel Core Ultra processor, this mini PC handles complex control logic, data acquisition, and multitasking without stuttering. It delivers desktop-class performance in a compact, steel-clad body.
- Built like a tank, sized for the cabinet: The solid, powder-coated steel housing shrugs off the bumps, knocks, and vibrations found on real factory floors. It is our largest Neo model, offering generous internal space for thermal management and future upgrades – yet it still slips neatly into any control panel.

- Connectivity that connects everything: With dual Gigabit Ethernet ports and a full range of legacy and modern interfaces, the Neo H speaks fluently to PLCs, sensors, HMIs, and legacy machinery. No adapters, no fuss – just plug in and get to work.
- Ready for the long haul: Whether it's a 24/7 production line or a harsh, dusty workshop, the Neo H keeps its cool and keeps running. Backed by ISO, RoHS, and BIS certifications, it's engineered for reliability you can trust.
- Proudly made in India: 100% designed and manufactured in India, the Neo H delivers world-class quality with dependable local support. When uptime matters, choose the workhorse that's built to last.

Upgrade your industrial operation with the Neo H – the performance powerhouse that simply gets on with the job.



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	8 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

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	Microsoft Windows 11 Professional
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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

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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