



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 (2 x 16GB)

512GB SSD

No WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: H-CU5_14L-16_5_16_5-M512-12_5-X-11V-KM



Engineered for the relentless rhythm of industry: the Thinvent Neo H.

Built for Demanding Environments

Forget consumer-grade electronics. The Neo H is an industrial workhorse, engineered from the ground up for durability. Its solid steel chassis and rugged build are born to thrive on the factory floor, in control rooms, and in harsh settings where reliability is non-negotiable. This is 100% Indian design and manufacturing, built to withstand the test of time and task.

Uncompromising Power Meets Robust Connectivity

As the high-performance flagship of our bestselling Neo series, this mini PC delivers serious computational muscle for industrial control, automation, and machine interfacing. It tackles complex tasks with seamless efficiency, keeping your operations running smoothly. Dual Ethernet ports ensure critical, rock-solid network connections, while a host of legacy and modern ports provide unmatched flexibility to interface with a world of industrial equipment.

Deploy with Utmost Confidence

We deliver a complete, ready-to-work solution straight out of the box. With a trusted Windows IoT operating system pre-installed and including our own keyboard and mouse set, the Neo H minimises setup complexity and gets straight down to business. Choose the industrial computing partner that doesn't just perform, but endures.



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	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	2.24kg, 2.66kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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