



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

Thinvent Keyboard and Mouse set

SKU: H-I5_12H-4-M512-12_5-M-THINUX-KM



Power meets resilience for the toughest industrial environments.

Unleash Industrial Performance

The Neo H is the high-performance flagship of our bestselling Neo series, engineered to be the workhorse of your factory floor. Whether you are running complex control systems, managing data acquisition, or powering automation tasks, its potent processor and generous memory handle multiple demanding applications with effortless speed. No lag, no stalling – just reliable, consistent output that keeps your operations moving.

Built for the Real World

This is not a fragile office machine. Housed in a robust, powder-coated steel chassis, the Neo H shrugs off the knocks, vibrations, and dust that plague industrial settings. It operates reliably in temperatures from freezing to 40°C, ensuring your critical processes stay online even when conditions get tough. It's a computer designed to be mounted, cabled up, and forgotten – in the best possible way.

Effortless Connectivity and Control

Connect practically anything. With multiple USB 3.2 and USB 2.0 ports, HDMI and VGA outputs, Gigabit Ethernet, and dual-band Wi-Fi, integrating the Neo H into your existing network and peripherals is simple. The included Thinux Embedded Linux comes pre-loaded with remote management tools – RDP, VNC, SSH – so you can monitor and control your equipment from anywhere on site. Plus, a full keyboard and mouse set means you are ready to work straight out of the box.

Made in India, Made to Last

One hundred percent designed and manufactured in India, the Neo H meets strict quality standards (BIS, RoHS, ISO). By choosing Thinvent, you are investing in proven local engineering, fast support, and a product built for years of dependable service. For industrial control and automation where failure is not an option, the Neo H is the professional's choice.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	4 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

NETWORKING

Ethernet	1000 Mbps
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	2.24kg, 2.66kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Ordering Information

PRODUCT CODE

H-i5_12H-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32_32 = 64GB
DDR4 RAM (2 x
32GB)16_16 = 32GB
DDR4 RAM (2 x
16GB)8_8 = 16GB DDR4
RAM (2 x 8GB)

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

Thinux = Thinux™ 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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