



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

Dual Band WiFi

Windows 11 Pro

SKU: H-I5_12H-32_32-M1024-12_5-M-11P-0



Power through your most demanding industrial tasks with the Thinvent Neo H Mini PC – the unrivalled workhorse built for relentless performance.

Built from solid steel and engineered in India

- 100% designed and made in India, this Mini PC offers unmatched reliability for mission-critical environments
- The powder-coated steel housing withstands vibration, dust, and the rigours of factory floors and control rooms

Performance that keeps your operations running

- The high-performance version of our bestselling Neo series, equipped with a powerful 12th-generation Intel Core i5 processor for smooth multitasking and real-time data processing
- Handles complex PLC programming, HMI interfaces, and edge computing with ease – no lag, no downtime

Connectivity for the modern industrial setup

- A full suite of ports including HDMI, VGA, USB 3.2, dual Ethernet and audio jacks means you can connect legacy and modern equipment without adapters
- Dual-band WiFi and Gigabit Ethernet ensure reliable networking, whether wired or wireless

Ready to deploy from the moment it arrives

- Comes pre-loaded with Windows 11 Pro, so you can install your software and start controlling your systems immediately
- The compact, rugged design fits neatly into tight control cabinets or on a desk without taking valuable space

Choose the Thinvent Neo H when you need a Mini PC that works as hard as you do – built to last, built for industry, built in India.

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	64 GB
SSD Storage	1024 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	1.73kg, 2.14kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

H-i5_12H-[RAM]-[SSD]-12_10-[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

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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