



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: H-I5_12H-8-M512-12_7-X-11V-0



Uncompromising power for the most demanding industrial environments.

Performance that drives your operation

- Tackle complex control tasks and data processing with a processor that keeps up with your most intensive workflows
- Run multiple applications simultaneously without a hitch, boosting your team's productivity
- Experience the reliability of a machine built to handle 24/7 operation in factory, warehouse or lab settings

Built for the real world

- Housed in a robust steel chassis with a powder-coated finish that shrugs off knocks, dust and vibration
- A generous range of ports means you can connect legacy equipment alongside modern peripherals – VGA, HDMI, USB and gigabit Ethernet are all ready to go
- Compact enough to tuck away on a workbench or mount inside a cabinet, yet packed with the connectivity you need for full system integration

Designed and made in India with pride

- Every unit is engineered and manufactured right here, ensuring consistent quality and local support
- Solid steel construction gives you a machine that feels substantial and will serve your facility for years

The perfect choice for

- Industrial controllers and PLC interfaces where stability and longevity matter most
- Edge computing tasks that demand a compact but mighty brain for your automation setups
- Any application where you need a no-nonsense, high-performance computer that just works, day in and day out

Make your next upgrade the one that keeps your production line moving. Choose the Thinvent Neo H and get the industrial workhorse you can rely on.



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	8 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
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POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	1.82kg, 2.24kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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

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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