



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: H-I5_12H-32-M256-12_7-M-11V-KM



Powering your industrial edge with uncompromising reliability.

Designed for the toughest jobs

- This High Performance Neo is the most powerful member of our bestselling family, built to handle demanding industrial control, automation, and monitoring tasks without breaking a sweat
- A true workhorse that thrives in factory floors, production lines, and edge computing environments where reliability isn't optional – it's essential
- Generous connectivity means you can hook up legacy VGA displays alongside modern HDMI screens, plus ample USB and gigabit Ethernet ports for sensors, controllers, and networks

Built to last, inside and out

- Encased in a solid steel, powder-coated chassis that shrugs off vibration, dust, and the bumps of a busy workspace
- 100% designed and manufactured in India, so you get local support, quality assurance, and the confidence that comes with a product built for our conditions

- Comes ready to work with Windows 11 IoT Enterprise LTSC 2024 – a stable, long-term platform for mission-critical applications – plus a full-size keyboard and mouse to get you productive from the moment you unbox

Why choose Thinvent Neo H

- It's the upgrade you need when standard mini PCs fall short: more processing muscle, more memory capacity, and a robust form factor that keeps running shift after shift
- Backed by certifications including BIS, RoHS, and ISO – proof of compliance with the standards that matter in industrial settings
- Ideal as a drop-in replacement for aging hardware, giving your operations a performance boost without complicating your existing setup

Give your industrial applications the power and dependability they deserve.

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	32 GB
SSD Storage	256 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	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	2.34kg, 2.76kg

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-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

www.thinvent.insales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

