



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)

256GB SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-I5_12H-32_32-M256-12_7-M-DOS-KM



Power through your toughest industrial tasks with the Thinvent Neo H Mini PC – the high-performance workhorse built to handle relentless demand.

Built for the factory floor, not the office desk

- With its powerful 8-core processor, this machine crunches through complex control algorithms and data logging without a hitch.
- Multiple USB and display ports mean you can connect legacy equipment and modern screens side by side, all from one compact unit.
- Solid steel housing shrugs off vibration, dust, and the knocks of a busy production line, keeping your operation running shift after shift.

The ideal replacement for ageing industrial controllers

- Upgrade your existing systems without a complete overhaul – the Neo H's wide compatibility and VGA output make it a seamless drop-in for older hardware.
- Dual-band Wi-Fi gives you flexible networking options, whether you need a wired backbone or wireless monitoring access.

100% designed and made in India, with rigorous certification, this Mini PC delivers the reliability your critical applications demand. It's the powerful, rugged choice for automation, machine control, and data acquisition – all backed by Thinvent's solid construction and thoughtful engineering.

Bring industrial strength to your next project.

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	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	FreeDOS
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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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