



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I5_12H-4-M128-12_5-M-U-0



Power meets resilience: the Thinvent Neo H Mini PC

Industrial grade performance

- Tackle demanding control systems and automation tasks with the robust processing power of a 12th generation Intel Core i5 processor.
- Whether running complex SCADA software or managing multiple data streams, this mini PC handles industrial workloads without breaking a sweat.

Built to last

- Housed in a solid steel, powder-coated chassis, it withstands the rigours of factory floors and harsh environments.
- Designed and manufactured entirely in India, ensuring local support, quality control, and supply chain reliability.

Connectivity without compromise

- A generous selection of ports – including HDMI, VGA, USB 3.2, and dual Ethernet – lets you connect legacy and modern equipment side by side.

- Dual-band Wi-Fi and Bluetooth keep you wirelessly linked for monitoring and updates, while the integrated speaker and mic inputs simplify integration.

Ready for real-world use

- Pre-loaded with Ubuntu Linux 24.04 LTS, it offers a stable, secure platform for industrial applications without licensing headaches.
- Wide operating temperature range and non-condensing humidity tolerance mean it works reliably where ordinary PCs fail.

Why choose the Neo H?

- It is the high-performance flagship of our best-selling Neo series – the largest model with the most powerful CPU and memory configurations.
- Ideal for industrial control, edge computing, and embedded systems where uptime is non-negotiable.
- Backed by BIS, RoHS, and ISO certifications for peace of mind.

When your operation demands a workhorse that refuses to quit, the Thinvent Neo H Mini PC is the smart, rugged, and Indian-made answer.

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	128 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	Ubuntu Linux 24.04 LTS
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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

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