

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

No WiFi

Ubuntu Linux

SKU: H-I5_12-4-M512-12_5-X-U-0



Thinvent® Neo H: Unmatched Power for Industrial Prowess.

Experience the high-performance evolution of our bestselling Neo line with the Thinvent® Neo H Mini PC. This is our largest, most powerful model, purpose-built as an industrial workhorse for demanding applications like industrial control. Proudly 100% designed and made in India, its solid steel build ensures unparalleled durability and resilience.

Unleash exceptional processing power with the Intel® Core™ i5-1250P processor, featuring 12 cores, a max frequency of 4.4 GHz, and 12 MB cache. Coupled with a massive 64GB DDR4 RAM and a rapid 512GB SSD, the Neo H delivers seamless multitasking and lightning-fast data access for critical operations.

Connectivity & Robustness

- Equipped with 1 HDMI and 1 VGA port for versatile display options.
- 2 USB 3.2 and 2 USB 2.0 ports for comprehensive peripheral support.
- Gigabit Ethernet (1000 Mbps) ensures reliable network communication.

- Audio convenience with Speaker Out and Mic In.
- Housed in power-coated black steel (210mm × 202mm × 80mm) for industrial-grade protection.

Operating System

- Pre-installed with Ubuntu Linux 24.04 LTS for a secure, stable, and open-source environment.

Power & Environment

- Reliable 12V 7A adapter with a 2-meter cable, accepting wide power input (100~275V AC).
- Operates flawlessly across industrial environments from 0°C to 40°C in 20% to 80% non-condensing humidity.

Certified for Quality

- BIS, RoHS, ISO compliant, guaranteeing safety, environmental responsibility, and quality standards.

The Thinvent® Neo H is engineered to perform, providing a robust and powerful foundation for your most critical industrial tasks.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	4 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	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_12-[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

