



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I5_12-16_16-M512-12_10-M-U-0



Unleash Industrial Power: The Neo H Mini PC – Robust, Rapid, Reliable.

The Thinvent® Neo H Mini PC elevates our bestselling Neo line to new heights. As our premier high-performance offering, this robust, 100% Designed & Made in India solution is an industrial workhorse, crafted from solid steel to thrive in demanding environments. Our largest product in the Neo range, it combines powerful CPU and RAM configurations with a host of connectivity options.

Unmatched Performance

- Experience blazing speed and exceptional multitasking with the Intel® Core™ i5-1250P processor, boasting 12 cores and up to 4.4 GHz turbo frequency.
- A generous 12 MB cache ensures rapid data handling.
- 4GB DDR4 RAM guarantees smooth operation across applications.
- A swift 128GB SSD provides instant boot-ups and rapid data access.

Versatile Connectivity

- Dual video outputs (1x HDMI, 1x VGA) support flexible display setups.
- Four USB ports (2x USB 3.2, 2x USB 2.0) accommodate diverse peripherals.
- Gigabit Ethernet (1000 Mbps) ensures steadfast wired networking.

- Dual-band Wi-Fi 5 (802.11ac) offers seamless wireless connections.
- Dedicated speaker out and mic in ports cover all audio needs.

Built for Endurance

- Its durable black powder-coated steel housing (210mm × 202mm × 80mm) is engineered for longevity.
- Stable and reliable power is delivered by the 12V 7A adapter with a 2-metre cable, accepting wide AC input (100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum).
- Operates flawlessly from 0°C ~ 40°C with 20% ~ 80% RH non-condensing humidity.
- Holds crucial BIS, RoHS, and ISO certifications, ensuring quality and safety.

Operating System

- Powered by the stable and secure Ubuntu Linux 24.04 LTS, providing a powerful open-source foundation for your critical applications.

Ideal for industrial control and similar applications, the Neo H delivers unparalleled performance and reliability in a compact, locally-made package.



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	32 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	10 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	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

H-i5_12-[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

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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