



Thinvent Neo H Mini PC

Intel Core i5-12400 processor

6 core, up to 4.4 GHz, 18 MB cache

32GB DDR4 RAM

128GB SSD

No WiFi

Ubuntu Linux

SKU: H-I5_12D-32-M128-19_7-X-U-0



Power That Keeps Up With Your Industrial Demands

Thinvent Neo H Mini PC brings desktop-class performance into a compact, rugged package built for industrial control and demanding applications.

At its heart sits the Intel Core i5-12400 processor, with six cores running at up to 4.4 GHz. Multitasking, real-time control and data processing stay responsive, so your operations keep moving without delay.

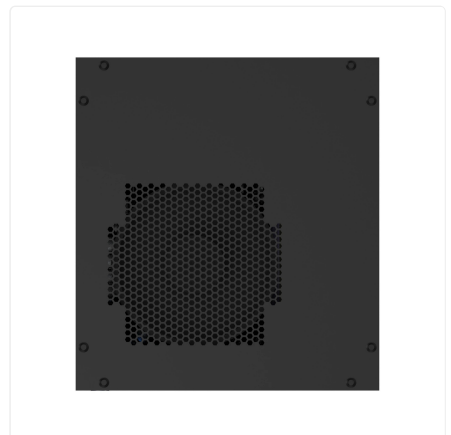
Connectivity is where the Neo H excels. With two HDMI ports, a DisplayPort, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports, plus gigabit Ethernet, it links easily with your displays, peripherals and network infrastructure. Audio output and microphone input make it equally suited to communication and monitoring tasks.

Built to be dependable, the Neo H features a steel base and aluminium cover in a powder-coated black finish. It is designed and made in India, and is ready to run Ubuntu Linux 24.04 LTS straight out of the box.

Ideal for

- Industrial control and automation
- Machine monitoring and data collection
- Digital signage and display systems
- Kiosks and point-of-service applications

The Neo H is the high-performance version of our bestselling Neo model, offering the largest CPU and RAM configuration in the range. If you need a capable, compact computer that handles serious workloads without taking up valuable space, this is the one to choose.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12400
Cores	6
Max Frequency	4.4 GHz
Cache	18 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	32 GB
SSD Storage	128 GB

DISPLAY

HDMI	2
DisplayPort	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2 Gen 2	2
USB 3.2 Gen 1	2

NETWORKING

Ethernet	1000 Mbps
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POWER

DC Voltage	19 Volts
DC Current	7 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	1.5 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	181.5mm × 199.5mm × 72mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	0.91kg, 1.32kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

H-i5_12d-[RAM]-[SSD]-19_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

m2048 = 2TB

S128 = 128GB

m128_S128 = Dual 128GB

S128_S32 = 128GB SSD + 32 GB MLC

m32_S32 = 32GB SSD + 32 GB MLC

h1024 = 1TB HDD

n1024_h1024 = 1TB NVMe SSD + 1TB HDD

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

m128_S32 = 128GB SSD + 32 GB MLC

S128_S128 = 128GB SSD + 128 GB MLC

S32_S32 = 32GB MLC SSD + 32 GB MLC

n512_h1024 = 512GB NVMe SSD + 1TB HDD

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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