



Thinvent Neo H Mini PC

Intel Core i3-12100 processor

4 core, up to 4.3 GHz, 12 MB cache

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 Pro

SKU: H-I3_12D-4-M128-19_7-M-11P-0



Power That Fits Where Your Work Happens

Meet the Thinvent® Neo H Mini PC, the high performance member of our bestselling Neo range. Built around the Intel® Core™ i3-12100 processor, it delivers quick, dependable computing for demanding industrial environments, all in a compact black chassis.

Designed for Serious Work

Industrial control and similar applications call for a system that responds fast and keeps going. The Neo H pairs a capable 4-core processor with a solid foundation to handle your everyday tasks with confidence, whether you are monitoring processes, running control software or managing data on the spot.

Connected in Every Direction

Stay linked to your operation with a generous range of ports. Two HDMI and one DisplayPort outputs let you drive your displays, while two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports connect your peripherals. Gigabit Ethernet and dual band Wi-Fi keep your network connection reliable, and audio and microphone ports make it ready for communication tasks.

Built to Last

The steel base and aluminium cover give the Neo H a sturdy, refined finish, with a powder coated black surface that looks at home in any workspace. Its design handles everyday demands while remaining easy to place beside your equipment.

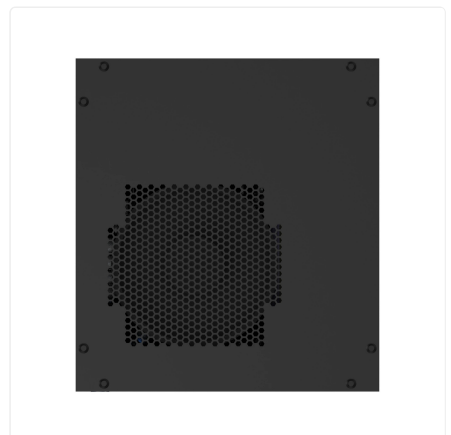
Ready to Work Out of the Box

Windows 11 Pro comes pre-installed, so you can get started straight away with a familiar, secure environment. The included 12V 5A adapter keeps setup simple.

Proudly Made in India

Every Neo H is 100% designed and made in India, backed by Thinvent's commitment to quality manufacturing.

Choose the Neo H Mini PC and give your operation the performance it deserves.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	12100
Cores	4
Max Frequency	4.3 GHz
Cache	12 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	4 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

H-i3_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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