



Thinvent Neo H Mini PC

Intel Core i5-12400 processor

6 core, up to 4.4 GHz, 18 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: [H-I5_12D-16-M1024-19_7-M-11P-1S](#)



Power Where It Counts: The Neo H Mini PC Brings Desktop-Grade Performance to Industrial Spaces

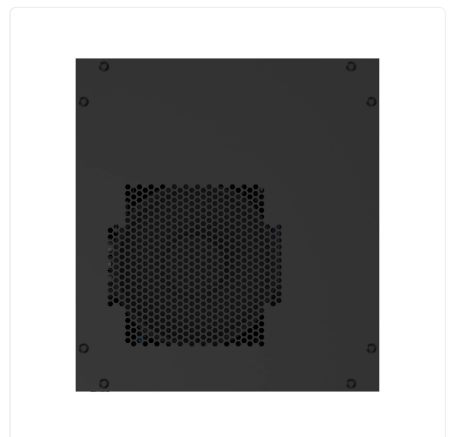
The Thinvent Neo H Mini PC is the high-performance flagship of our bestselling Neo range, built for demanding industrial control and similar applications where reliable processing really matters.

At its heart sits an Intel Core i5-12400 processor, offering six cores and a turbo speed of up to 4.4 GHz. Whether you're running control software, monitoring multiple data streams or handling everyday computing tasks, this is a machine that responds quickly and keeps pace with your workload.

Connectivity is where the Neo H truly shines. Dual-band Wi-Fi keeps you linked to your network, while gigabit Ethernet provides a fast, dependable wired connection. Two HDMI outputs and a DisplayPort let you drive multiple screens for an at-a-glance view of your operations. A DB9 RS232 serial port means it can talk to legacy equipment, and a generous spread of USB 3.2 ports connects your peripherals with ease.

Built to work hard, the Neo H features a robust steel base and aluminium cover, finished in a durable powder-coated black that looks as professional as it performs. It arrives ready to run Windows 11 Pro, so you can get started straight away.

Proudly 100% designed and made in India, the Neo H Mini PC is a dependable choice for businesses that want serious performance in a compact footprint. Choose the Neo H and give your industrial setup the processing power it deserves.



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	16 GB
SSD Storage	1024 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
Serial Port	1 DB9 male RS232

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-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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