



Thinvent Neo H Mini PC

Intel Core i3-12100 processor

4 core, up to 4.3 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I3_12D-16-M1024-19_7-M-11P-1S



Compact Power, Built for Industrial Work

The Thinvent® Neo H Mini PC packs serious performance into a compact black frame, ready to handle demanding industrial tasks from the moment you switch it on.

Powered by an Intel® Core™ i3-12100 processor, it delivers quick, responsive computing for control systems and everyday operations alike. Its 4GB of DDR4 memory and 128GB SSD keep your workflows moving smoothly, while Windows 11 Pro provides a familiar, secure environment for business use.

Designed as the High Performance version of our bestselling Neo range, this is our largest and most capable model in the series. It is an industrial workhorse, built for applications where reliability and steady output matter.

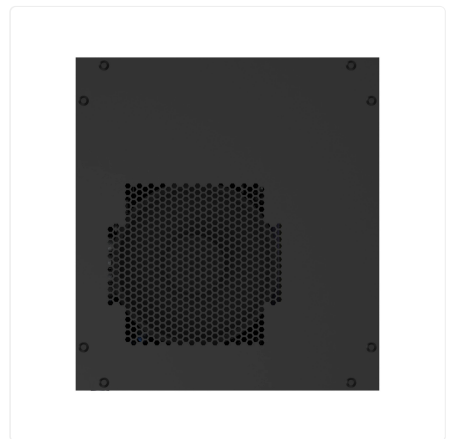
Connectivity is where the Neo H truly stands out

- Two HDMI and one DisplayPort outputs for flexible display setups

- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections
- A DB9 serial port for connecting legacy industrial equipment
- Gigabit Ethernet for rapid wired networking
- Dual band Wi-Fi 5 for dependable wireless access
- Audio output and microphone input for voice and monitoring tasks

Its steel base and aluminium cover give the Neo H a solid, professional finish, and the powder-coated black housing looks at home in workshops, control rooms and offices alike.

Proudly designed and made in India, the Neo H is ideal for industrial control and similar applications where you need dependable performance in a space-saving package. Choose the Thinvent® Neo H Mini PC and put a capable, purpose-built computer at the heart of your operations.



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	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-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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