



Thinvent Neo H Mini PC

Intel Core i3-12100 processor

4 core, up to 4.3 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: H-I3_12D-16-M256-19_7-X-11V-0



Built for Industrial Work, Ready to Run Hard

The Thinvent Neo H Mini PC brings the power of a 12th Generation Intel® Core™ i3-12100 processor to demanding industrial environments. With four cores reaching up to 4.3 GHz, it handles control tasks, data handling and everyday automation with quick, dependable response.

Designed for Performance

The high performance version of our bestselling Neo range, the Neo H is our most capable compact system. Its processor and memory configuration give you the headroom to run industrial control software and similar applications without compromise. Fast storage keeps Windows 11 IoT Enterprise LTSC 2024 Value responsive from the moment you switch on.

Connectivity Where You Need It

Stay connected to the equipment around you with a generous set of ports

- Two HDMI outputs and one DisplayPort for flexible display setups

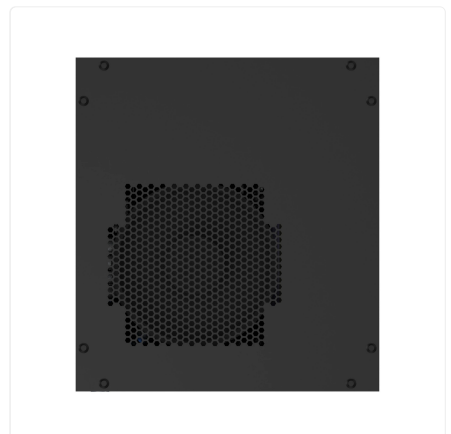
- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections
- Gigabit Ethernet for reliable wired networking
- Audio output and microphone input for voice and alert applications

Built to Last

Its steel base and aluminium cover, finished in powder-coated black, give the Neo H a solid, professional look. It is designed and made in India, and it operates reliably across a 0°C to 40°C temperature range in humidity from 20% to 80% RH, non-condensing.

Why Choose the Neo H

Whether you are upgrading control systems, building a compact workstation or replacing an ageing machine, the Neo H delivers strong performance in a small footprint. It is a practical, capable choice for any operation that needs a dependable computer to keep its work moving.



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	256 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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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