



Thinvent Neo H Mini PC

Intel Core i3-12100 processor

4 core, up to 4.3 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I3_12D-8_8-M512-19_7-M-U-0



Power Your Workflow with the Thinvent Neo H Mini PC

Built for demanding environments, the Thinvent Neo H Mini PC delivers the performance industrial teams rely on, in a compact black chassis that fits where full-size systems cannot.

Designed and made in India, the Neo H is the high performance version of our bestselling Neo range. It pairs a 12th generation Intel Core i3-12100 processor with 4GB of DDR4 memory and 128GB of SSD storage, giving you quick responses for control tasks, monitoring and everyday industrial software.

Connectivity is where the Neo H excels. You can run multiple displays through its HDMI and DisplayPort outputs, connect a wide range of peripherals and sensors via its USB 3.2 ports, and link to your network through gigabit Ethernet or dual band Wi-Fi. Audio and microphone ports round out a setup that adapts to your site.

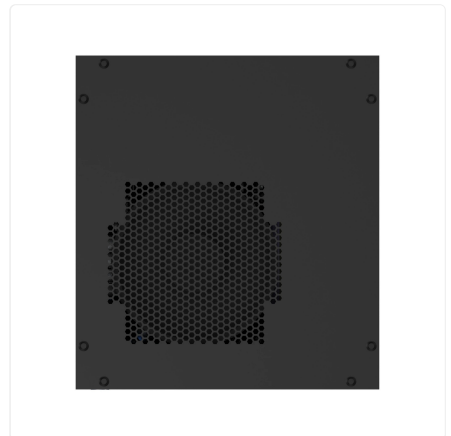
The steel base and aluminium cover are finished in a durable powder coated black, giving the Neo H a robust look and feel that suits factory floors, control rooms and workshops alike.

Ideal for

- Industrial control and automation
- Machine monitoring and data logging
- Kiosk and display installations
- Embedded and edge computing projects

Supplied with Ubuntu Linux 24.04 LTS, the Neo H is ready to deploy straight out of the box, so your team can move from unpacking to working in minutes.

Choose the Thinvent Neo H Mini PC for a reliable, well-connected computer that keeps your operations 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	512 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	Ubuntu Linux 24.04 LTS
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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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