



Thinvent Neo H Mini PC

Intel Core i3-12100 processor

4 core, up to 4.3 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-I3_12D-32_32-M512-19_7-M-DOS-KM



Power Your Industrial Work with the Thinvent® Neo H Mini PC

Compact power built for demanding industrial environments.

The Thinvent® Neo H Mini PC is the high performance version of our bestselling Neo range, and our largest model yet. Packed with an Intel® Core™ i3-12100 processor, it delivers the speed and responsiveness that industrial control and similar applications demand, so your operations keep moving without interruption.

Designed for the workshop, the production floor and the control room, the Neo H is built to keep running when conditions get tough. Its steel base and aluminium cover, finished in durable powder-coated black, give it a robust, professional presence that suits demanding settings.

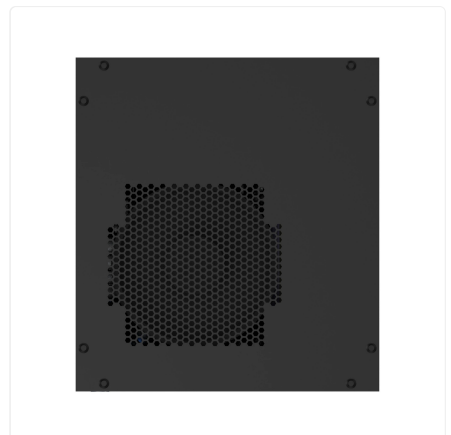
Connectivity is where the Neo H truly shines. Multiple HDMI and DisplayPort outputs let you drive several screens, while USB 3.2 ports, Gigabit Ethernet and dual band Wi-Fi keep your peripherals, network and data links fast and reliable. Audio and microphone connections make it equally at home in training, monitoring and communication roles.

Ideal for

- Industrial control and automation
- Machine monitoring and data collection
- Digital signage and multi-screen displays
- Point-of-sale and kiosk applications
- Edge computing in busy production settings

Designed and made 100% in India, the Thinvent® Neo H Mini PC is a dependable partner for businesses that value performance, connectivity and local craftsmanship. Equipped with the included keyboard and mouse set and a FreeDOS operating system, it is ready to deploy the moment it arrives.

Choose the Neo H and give your industrial work the dependable 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	64 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	1.42kg, 1.84kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	FreeDOS
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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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