



Thinvent Neo H Mini PC

Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

Without OS

SKU: H-I7_12D-16-M1024-19_7-X-W_OS-0



Power That Fits in Your Palm: The Neo H Mini PC

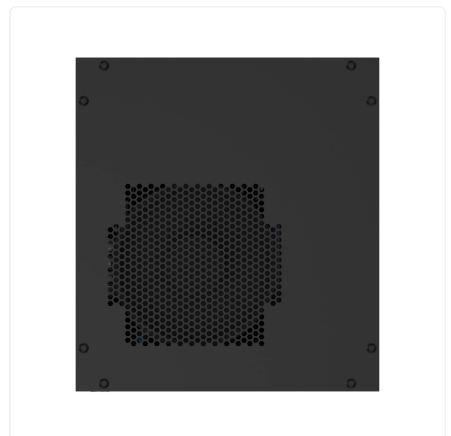
Built for demanding industrial work, the Thinvent Neo H Mini PC brings desktop-class performance into a compact, robust package. It is the High Performance version of our bestselling Neo model, and it is ready to take on the tasks that matter most to your operation.

At its heart sits an Intel Core i7-12700 processor with 12 cores and speeds up to 4.9 GHz. Whether you are running real-time control software, processing data at the edge or managing multiple applications at once, this processor responds quickly and keeps your work moving.

Connectivity is built in generously. You get two HDMI outputs and a DisplayPort for multi-screen setups, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripherals, a gigabit Ethernet port for reliable wired networking, and audio input and output for voice and sound applications.

Designed to be dependable, the Neo H uses a steel base and aluminium cover with a powder-coated black finish, giving it a tough, professional look that suits factory floors, control rooms and workstations alike. It is built to operate reliably across a wide temperature range, from 0°C to 40°C, and in humidity from 20% to 80%, keeping it running through everyday demands.

Proudly designed and made in India, the Neo H is ideal for industrial control and similar applications where performance and reliability cannot be compromised. Choose the Neo H and give your operation a compact computer with serious capability.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	12700
Cores	12
Max Frequency	4.9 GHz
Cache	25 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

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	Without OS
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Ordering Information

PRODUCT CODE

H-i7_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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