



Thinvent Neo H Mini PC

Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

Dual Band WiFi

Without OS

Thinvent Keyboard and Mouse set

SKU: H-I7_12D-8_8-M1024-19_7-M-W_OS-KM



Power that keeps pace with demanding industrial work.

The Thinvent® Neo H Mini PC brings serious computing muscle into a compact, rugged chassis. Built around the 12th Generation Intel® Core™ i7-12700 processor, it delivers 12 cores and boost speeds up to 4.9 GHz, so your control, monitoring and data tasks run quickly and respond without delay.

Designed as the High Performance version of our bestselling Neo range, it is our largest and most capable model, suited to industrial control and similar demanding applications. Its steel base and aluminium cover, finished in durable black powder coating, give it a solid, professional presence on the factory floor or in the control room.

Connectivity is built in for busy workstations

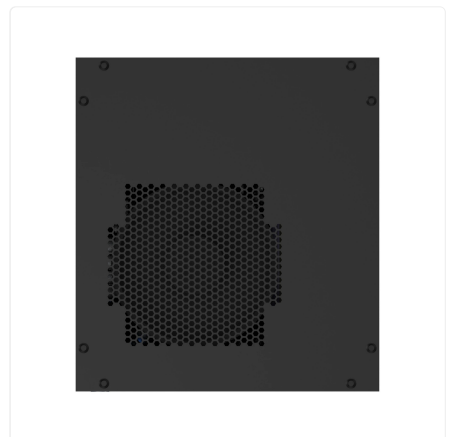
- Two HDMI and one DisplayPort outputs for multi-screen dashboards

- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral and storage connections
- Gigabit Ethernet for reliable wired networking
- Dual band Wi-Fi 5 for flexible wireless access
- Audio output and microphone input for voice and alert systems

A keyboard and mouse set is included, so you can get straight to work. The system ships without an operating system, giving you the freedom to install the software your application requires.

Proudly 100% designed and made in India, the Neo H is built to be a dependable workhorse. It operates comfortably between 0°C and 40°C and tolerates humidity from 20% to 80% RH, non-condensing.

Choose the Thinvent® Neo H Mini PC for high performance in a compact, industrial-ready package.



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
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	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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