



Thinvent Neo H Mini PC

Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

DOS

SKU: H-I7_12D-4-M128-19_7-M-DOS-0



Power Meets Precision: The Thinvent® Neo H Mini PC

Built for demanding industrial environments, the Thinvent® Neo H Mini PC brings high-performance computing to the places where reliable results matter most.

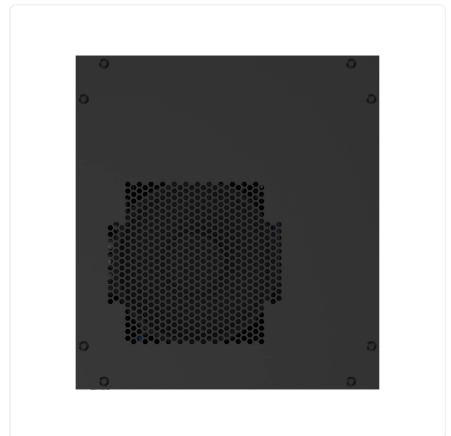
At its heart sits an Intel® Core™ i7-12700 processor with 12 cores, delivering quick, responsive performance for control and automation tasks. Its 25 MB cache keeps frequently used data close at hand, helping your workflows run smoothly.

This is the high performance version of our bestselling Neo model, and it is our largest product yet. Its robust steel base and aluminium cover, finished in durable powder-coated black, give it a solid, professional presence on the factory floor or in the control room.

Connectivity is where the Neo H excels. You get two HDMI ports and a DisplayPort for flexible display setups, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast peripheral connections, and a 1000 Mbps Ethernet port for dependable wired networking. Dual band Wi-Fi 5 adds wireless flexibility, while audio input and output ports support voice and sound applications.

Designed for industrial control and similar applications, the Neo H suits teams who need a compact computer that handles serious workloads without fuss. Its operating range of 0°C to 40°C and humidity tolerance of 20% to 80% RH, non-condensing, help it keep working in everyday industrial conditions.

Proudly 100% designed and made in India, the Thinvent® Neo H Mini PC is the workhorse your operation has been waiting for. Choose it when you need power, connectivity and dependability in one compact 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	4 GB
SSD Storage	128 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	FreeDOS
------------------	---------

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

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

