



Thinvent Neo H Mini PC

Intel Core i7-12700 processor

12 core, up to 4.9 GHz, 25 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I7_12D-32-M1024-19_7-M-11P-1S



Power That Keeps Up With Your Industrial Demands

The Thinvent® Neo H Mini PC brings desktop-class performance to a compact, rugged form, built for the demanding environments of industrial control and beyond.

At its heart sits the Intel® Core™ i7-12700 processor, a 12th generation chip that handles multitasking, control software and data-heavy workloads with ease. Whether you are running monitoring systems, automation software or demanding applications, the Neo H responds quickly and keeps pace with the job in hand.

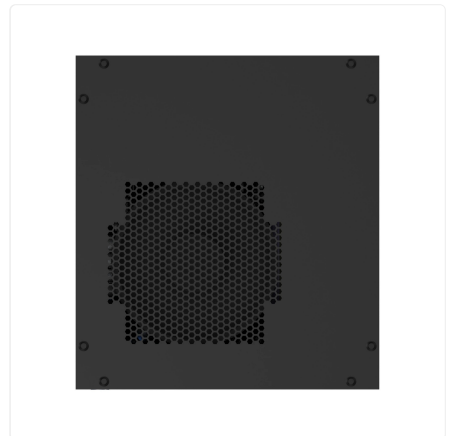
Connectivity is where the Neo H truly shines. Multiple HDMI and DisplayPort outputs support flexible display setups, while four USB 3.2 ports give you fast, dependable links to your peripherals and equipment. A dedicated DB9 serial port makes it a natural fit for connecting legacy industrial devices, and gigabit Ethernet and dual band Wi-Fi keep your network connections swift and stable.

Built to be tough, the Neo H features a steel base and aluminium cover in a powder coated black finish. This robust housing is designed to stand up to the rigours of the workshop, control room and factory floor, while its sleek black styling sits comfortably in any professional setting.

Supplied with Microsoft Windows 11 Pro, the Neo H is ready to deploy straight out of the box, with the business-grade features your IT team expects.

Proudly designed and made in India, the Thinvent® Neo H is the high performance choice for those who need a reliable industrial workhorse that delivers year after year.

Choose the Neo H and give your operations the power they deserve.



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	32 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
Serial Port	1 DB9 male RS232

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	Microsoft Windows 11 Pro
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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

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

