



Thinvent Neo H Mini PC

Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

4GB DDR4 RAM

512GB SSD

No WiFi

DOS

SKU: H-I7_14D-4-M512-19_7-X-DOS-0



Power That Keeps Pace With Your Industrial Demands

The Thinvent® Neo H Mini PC brings high-performance computing to a compact, industrial-grade form. As the High Performance version of our bestselling Neo range, it is our largest and most powerful model, built to handle demanding control and automation work without fuss.

At its heart sits the Intel® Core™ i7-14700 processor, with 20 cores and turbo speeds up to 5.4 GHz, giving you quick responses and smooth multitasking across demanding applications. Paired with 4GB of DDR4 RAM and 128GB of SSD storage, it is ready to get your work started straight away.

Connectivity is where the Neo H truly shines. Two HDMI ports and a DisplayPort let you drive multiple screens, while four USB 3.2 ports, a 1000 Mbps Ethernet connection, and audio inputs and outputs keep your peripherals and networks linked. A TPM 2.0 header adds a further layer of security for sensitive operations.

Built to be dependable, the Neo H features a steel base and aluminium cover in a durable powder-coated black finish. It is designed for everyday industrial environments, operating reliably across temperatures from 0°C to 40°C.

Proudly 100% designed and made in India, the Thinvent® Neo H is ideal for industrial control, automation, and similar applications where performance and reliability matter most.

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



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i7
Processor Brand	Intel
Processor Model	14700
Cores	20
Max Frequency	5.4 GHz
Cache	33 MB
Chipset	Intel B760
TPM	TPM 2.0 header
Main Memory	4 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
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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	FreeDOS
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Ordering Information

PRODUCT CODE

H-i7_14d-[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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