



Thinvent Neo H Mini PC

Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

8GB DDR4 RAM

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: H-I7_14D-8-M256-19_7-X-11V-0



Power That Keeps Up With Your Industrial Workload

Meet the Thinvent Neo H Mini PC, the high performance pick from our bestselling Neo range. Built around the Intel® Core™ i7-14700 processor with 20 cores, it handles demanding control and monitoring tasks with ease, keeping your operations responsive when it matters most.

Designed for industrial environments, this compact workhorse brings a host of connectivity options to your setup. Two HDMI ports and a DisplayPort let you drive multiple displays, while USB 3.2 Gen 2 and Gen 1 ports connect your peripherals and equipment. Gigabit Ethernet keeps your network connection fast and dependable.

Pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the Neo H is ready to deploy straight out of the box, giving you a stable, long-supported platform for industrial control and similar applications.

Built to Last

The steel base and aluminium cover, finished in durable black powder coating, give the Neo H a solid, professional look and a robust body suited to the workplace. Its compact footprint fits into tight spaces without sacrificing capability.

Made in India

Every Neo H is 100% designed and made in India, so you can buy with confidence from a manufacturer that stands behind its work.

Why Choose the Neo H?

- Top-tier performance from a 14th generation Intel Core i7 processor
- Generous processing power for industrial control and monitoring
- Multiple display and high-speed USB options for flexible connectivity
- Gigabit Ethernet for reliable network communication
- A rugged, professionally finished enclosure
- The most powerful model in the bestselling Neo family

Upgrade your industrial computing with the Thinvent Neo H Mini PC, where compact design meets serious performance.



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	8 GB
SSD Storage	256 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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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