



Thinvent Neo H Mini PC

Intel Core i7-14700 processor

20 core, up to 5.4 GHz, 33 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

DOS

SKU: H-I7_14D-32-M1024-19_7-M-DOS-0



Power Meets Precision: Industrial Performance, Built for Demanding Work

The Thinvent® Neo H Mini PC brings desktop-class processing power into a compact industrial package. Powered by the Intel® Core™ i7-14700 processor, with 20 cores and a turbo boost of up to 5.4 GHz, it handles demanding control tasks with speed and composure.

Designed for the factory floor and beyond, the Neo H is the high performance version of our bestselling Neo model. It is ideal for industrial control and similar applications where reliable, responsive computing matters.

Connectivity is comprehensive. Two HDMI outputs and a DisplayPort let you run multiple screens, while four USB 3.2 ports, dual band Wi-Fi and gigabit Ethernet keep your devices and networks connected. A TPM 2.0 header adds a layer of security for sensitive operations.

Why choose the Neo H

- Desktop-grade Intel® Core™ performance in a compact form
- Two HDMI and one DisplayPort for multi-screen workspaces
- Four USB 3.2 ports for fast peripheral connections
- Dual band Wi-Fi and 1000 Mbps Ethernet for flexible networking
- TPM 2.0 header for added security
- Proudly 100% designed and made in India

Built to last, the Neo H features a steel base and aluminium cover in a powder coated black finish, giving it a robust, professional look that suits any industrial setting.

Whether you are running control systems, managing production data or powering specialised applications, the Thinvent® Neo H delivers the performance and connectivity your operation depends on.



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	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

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
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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

www.thinvent.insales@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

