



Thinvent Neo H Mini PC

Intel Core i3-14100 processor

4 core, up to 4.7 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I3_14D-4-M512-19_7-M-11V-0



Power Your Operations With Industrial-Grade Performance

Meet the Thinvent Neo H Mini PC, the high performance version of our bestselling Neo model and the largest in the range. Built around the Intel Core i3-14100 processor, it brings quick, reliable computing to demanding industrial environments, from control rooms to automated production lines.

Its 4-core processor and up to 4.7 GHz clock speed keep your applications responsive, while 4GB of DDR4 memory and 128GB of SSD storage handle everyday industrial workloads with ease. Dual band Wi-Fi and a 1000 Mbps Ethernet port keep your systems connected, and a generous selection of HDMI, DisplayPort and USB 3.2 ports gives you the flexibility to link displays, peripherals and industrial equipment with minimal fuss.

Designed and made in India, the Neo H combines a steel base with an aluminium cover finished in durable black powder coating. Pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value, it is ready to deploy straight out of the box.

Who It's For

- Industrial control and automation systems
- Factory floor monitoring and data collection
- Machine vision and process supervision
- Kiosks, digital signage and embedded applications

Why Choose the Neo H

- Strong, capable performance for demanding tasks
- Versatile connectivity for displays and peripherals
- Rugged build that suits industrial settings
- Proudly designed and manufactured in India

Upgrade your industrial computing with a system built to keep pace with your operations. Choose the Thinvent Neo H Mini PC and get to work.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i3
Processor Brand	Intel
Processor Model	14100
Cores	4
Max Frequency	4.7 GHz
Cache	12 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
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 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i3_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

