



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: H-I5_12H-16_16-M1024-12_7-X-11V-KM



Power through your toughest industrial tasks with the Neo H Mini PC – the workhorse that never lets you down.

Built for the jobs that demand unwavering performance: This is the high-performance version of our bestselling Neo series, engineered to handle industrial control, factory automation, and data-intensive applications without breaking a sweat. With an 8-core Intel Core i5 processor that clocks up to 4.4 GHz, you get swift, responsive computing exactly when you need it.

Why choose the Neo H for your next deployment

- Rock-solid reliability in demanding environments – the powder-coated steel chassis is built to last, surviving the bumps and knocks of a busy factory floor or control room
- Made in India, with pride – 100% designed and manufactured in India, this mini PC meets strict BIS, RoHS, and ISO standards, so you can be confident in its quality and compliance

- Plenty of connectivity to keep your setup simple – dual USB 3.2 ports, gigabit Ethernet, HDMI, and VGA let you connect monitors, peripherals, and networks without extra adapters
- Ready to run right out of the box – comes pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value, plus a purpose-matched Thinvent keyboard and mouse
- Low-maintenance operation – runs cool and quiet in temperatures up to 40°C, making it ideal for cramped cabinets or non-air-conditioned spaces

Whether you are upgrading a production line, deploying a control terminal, or building a robust workstation for light industrial use, the Neo H delivers the power and dependability you need – without the premium price tag. Choose the industrial mini PC that is engineered for the long haul.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2

NETWORKING

Ethernet	1000 Mbps
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POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 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	210mm × 202mm × 80mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	2.34kg, 2.76kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i5_12H-[RAM]-[SSD]-12_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

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

Thinix = Thinix™ Embedded Linux

W_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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