



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)

512GB SSD

No WiFi

Ubuntu Linux

SKU: H-I5_12H-16_16-M512-12_5-X-U-0



Power up your toughest jobs with a purpose-built workhorse.

This is the high-performance version of our bestselling Neo range – Thinvent's largest and most powerful Mini PC, engineered for the demands of industrial control and automation. Reliable, resilient and utterly built for the long haul.

Featuring the potent Intel Core i5 processor from the 12th generation with 8 genuine cores, this machine handles computation-heavy tasks that lesser PCs simply cannot process. Everything from real-time process control to data acquisition runs smoothly so you can meet your production targets without hesitation.

Connectivity is key in an industrial environment drivers, HMIs, IVI units and legacy kit must talk to one another day after day. That's why the Neo H Mini PC comes stocked with dual USB 3.2 and dual USB 2.0 ports, plus a choice of VGA and HDMI outputs, 2 combine to support both modern and older displays. Fanless reliability abates potential failures, and maintenance is a lesser concern.

It ships devoid of WiFi. For factory environments full of electro-magnetic disturbance that ethernet brings genuine confidence and predictable up times across your network.

Ubuntu Linux 24.04 LTS supplies secure stable operating software poised always for faster securing installing developing exactly what industry requires.

Forged in solid steel though powder-coated black exactly designed entirely built wholly in India creates matter substantial durable container for every environment operation site cornering fact industry engineering.



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	512 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	5 Amps
Power Input	100~240 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	1.73kg, 2.14kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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

Thinux = Thinux™ 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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