

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I5_12-32_32-M512-12_7-X-11P-1S



The Apex of Industrial Performance: Made for India.

Unleash unparalleled power with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This isn't just a PC; it's an industrial workhorse, 100% designed and made in India, engineered to dominate demanding applications with its solid steel build. This is our largest product, boasting powerful CPU and RAM configurations.

Unrivalled Performance

- Driven by the Intel® Core™ i5-1250P processor (12 core, up to 4.4 GHz, 12 MB cache), tackle complex tasks effortlessly.
- Multitask seamlessly with 32GB DDR4 RAM, ensuring peak performance for intensive workloads.
- Launch applications instantly and boost productivity with a rapid 256GB SSD.

Industrial Connectivity

- Integrate legacy systems crucial for industrial control applications with the essential DB9 Serial port.
- Connect multiple displays via HDMI and VGA.

- Ensure stable, high-speed networking with 1000 Mbps Ethernet.
- Utilize four versatile USB ports (2x USB 3.2, 2x USB 2.0) for peripherals.
- Speaker Out and Mic In ports provide comprehensive audio solutions.

Robust Design and Reliability

- Built for resilience with a robust black steel housing and power-coated finish.
- Certified to BIS, RoHS, and ISO standards for quality and compliance.
- Operates reliably across a wide temperature range of 0°C to 40°C and 20% to 80% non-condensing humidity.
- Powered by a stable 12V 7A adapter with a wide input range (100~275 Volts AC).

Experience enhanced security and advanced features with Microsoft Windows 11 Pro pre-installed, all within a compact 210mm × 202mm × 80mm footprint. The Thinvent® Neo H is your ultimate solution for industrial control and similar demanding environments.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 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
Serial Port	1 DB9 male RS232

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	1.82kg, 2.24kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

H-i5_12-[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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