

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I5_12-16_16-M512-12_7-X-W_OS-1S



Unleash Unrivalled Performance: The Thinvent® Neo H Mini PC.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This is our largest and most robust product, meticulously engineered as an industrial workhorse, 100% designed and made in India. Its solid steel construction with a black powder-coated finish is built to endure, delivering unwavering reliability for the most demanding applications, including industrial control.

Performance at its core

- Intel® Core™ i5-1250P processor: 12 cores, up to 4.4 GHz, 12 MB cache for exceptional multitasking.
- 32GB DDR4 RAM: Seamless data processing and application handling.
- 512GB SSD: Lightning-fast boots, rapid application loading, and ample storage.

Connectivity for critical operations

- 1 DB9 male RS232 Serial Port: Essential for industrial automation and legacy device integration.

- 2 USB 3.2 Ports and 2 USB 2.0 Ports: Broad peripheral support.
- 1 HDMI and 1 VGA Port: Flexible dual-display capabilities.
- 1000 Mbps Ethernet: Stable, high-speed wired networking crucial for industrial environments.
- Speaker Out and Mic In: Integrated audio for diverse needs.

Engineered for resilience

- Operating Temperature: 0°C ~ 40°C
- Operating Humidity: 20% ~ 80% RH, non condensing
- Certifications: BIS, RoHS, ISO ensure quality and compliance.

The Neo H comes without an operating system, providing the flexibility to install your preferred platform. Powered by a robust 12V 7A adapter, it's ready for continuous, critical operation.



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	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
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	Without OS
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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

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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