



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

No WiFi

DOS

DB9 Serial

SKU: H-I5_12-32_32-M1024-12_7-X-DOS-1S



Industrial Might, Mini Footprint: Experience the Thinvent® Neo H.

Introducing the Thinvent® Neo H Mini PC, the High Performance evolution of our bestselling Neo series. This is our largest, most robust offering, engineered as a true industrial workhorse, 100% designed and made in India.

Unrivalled Performance

- Driven by the Intel® Core™ i5-1250P processor (12 core, up to 4.4 GHz, 12 MB cache), the Neo H delivers blazing-fast, responsive performance for demanding industrial control and similar applications.
- Paired with 4GB DDR4 RAM and a swift 256GB SSD, experience rapid boot-ups and seamless multitasking.

Robust Connectivity

- Essential for industrial environments, it features a critical DB9 male RS232 serial port, indispensable for legacy equipment and specialized control.

- Modern connectivity includes 2 USB 3.2 and 2 USB 2.0 ports, HDMI, VGA, and a dedicated 1000 Mbps Gigabit Ethernet connection for secure, stable wired networking.
- Speaker Out and Mic In ports provide audio flexibility.
- Operating on FreeDOS, it offers maximum flexibility for custom industrial software.

Built to Endure

- Housed in solid steel with a protective powder coating and black finish, this Mini PC is engineered for durability in challenging operational environments.
- Designed for continuous operation from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Power input range of 100~275 Volts AC and BIS, RoHS, ISO certifications assure reliability and compliance.
- Compact dimensions of 210mm x 202mm x 80mm ensure a minimal footprint.



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	1024 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	FreeDOS
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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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