



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

8GB DDR4 RAM

2TB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: H-I5_12-8-M2048-12_7-M-W_OS-1S



Unleash Unrivaled Industrial Power: The Thinvent Neo H Mini PC.

Introducing the Thinvent Neo H Mini PC: The High Performance evolution of our bestselling Neo series, engineered as an unparalleled industrial workhorse. Meticulously 100% designed and made in India, this robust computing solution is encased in a solid, power-coated steel housing, built for peak reliability in the most demanding environments.

Uncompromising Performance

- At its core lies the formidable Intel Core i5-1250P processor, boasting 12 cores and bursting up to 4.4 GHz with a substantial 12 MB cache.
- Coupled with a massive 64GB DDR4 RAM, the Neo H delivers exceptional multitasking capabilities and lightning-fast data processing, ideal for critical industrial control and similar applications.
- A speedy 128GB SSD ensures rapid boot times and quick access to essential applications.

Extensive Connectivity for Industrial Demands

- Experience seamless integration with a comprehensive suite of connectivity options.
- Dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet (1000 Mbps) ensure robust and reliable network access.
- A dedicated DB9 male RS232 serial port provides essential legacy support for industrial equipment.

- Expand your setup with two USB 3.2 ports, two USB 2.0 ports, HDMI, and VGA outputs for versatile display and peripheral connections.
- Audio needs are covered with a Speaker Out and Mic In port.

Engineered for Endurance

- The sturdy black steel housing, finished with power coating, ensures long-term durability.
- Certified by BIS, RoHS, and ISO, affirming its quality and environmental compliance.
- Designed for challenging conditions, it operates reliably within 0°C ~ 40°C and 20% ~ 80% RH non-condensing humidity.
- Powered by a robust 12V 7A adapter with a wide 100~275 Volts AC input range.

Flexible Deployment

- Shipped without an operating system, the Neo H offers the ultimate flexibility for custom software deployments, tailored precisely to your operational needs.

Compact Powerhouse

- Despite its power, its compact 210mm x 202mm x 80mm dimensions make it ideal for space-constrained installations without sacrificing performance or connectivity.





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	8 GB
SSD Storage	2048 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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