



Thinvent Neo H Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

32GB MLC SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I5_12-16_16-S32-12_7-M-11V-0



Unleash Unrivalled Performance: The Industrial Powerhouse.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This is our largest, most powerful Mini PC yet, engineered as an unyielding industrial workhorse, 100% designed and made in India. Its solid steel build, complete with a black powder-coated finish, ensures exceptional durability, ready to tackle the most demanding environments.

Uncompromising Power

- Experience superior processing with the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz with a 12 MB cache for intensive tasks.
- Multitask effortlessly with 4GB DDR4 RAM, ensuring smooth operation.
- Benefit from lightning-fast boot-ups and application loading thanks to the responsive 128GB SSD storage.

Built for Industry

- Runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a secure, robust, and long-term supported platform perfect for industrial control and embedded applications.
- A host of connectivity options include dual-band Wi-Fi 5 (802.11ac), gigabit Ethernet, two USB 3.2 ports, two USB 2.0 ports, HDMI, and VGA for versatile peripheral and dual-display connections, alongside dedicated speaker out and mic in.
- Designed for reliable operation in demanding conditions, from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO, affirming its industrial-grade quality and safety standards.
- Its compact 210mm × 202mm × 80mm footprint belies its immense power.

Power your operations with the Thinvent® Neo H, where raw power meets unwavering reliability.



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	32 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
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i5_12-[RAM]-[SSD]-12_10-[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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