

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

32GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I5_12-4-M32-12_5-M-11V-0



Unleash Unrivaled 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 x 202mm x 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	4 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	5 Amps
Power Input	100~240 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	1.73kg, 2.14kg

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_7-[Wireless]-[OS]-[Accessories]	
RAM	4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB
Wireless	m = Dual Band WiFi X = No WiFi
OS	DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None KM = Keyboard and Mouse set 1S = DB9 Serial MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

