

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I5_14-8-M512-12_5-M-U-1S



Thinvent Neo H: Unrivaled Power for Industrial Command.

Meet the Thinvent® Neo H, the high-performance evolution of our bestselling Neo series. This is our most robust and largest Mini PC, engineered as an industrial workhorse to tackle your most demanding applications. Proudly 100% designed and made in India, its solid steel build ensures unwavering reliability in challenging environments.

Unleash exceptional processing power with the Intel® Core™ 5 120U processor

- 10 Cores: For seamless multitasking and heavy computational loads.
- Up to 5.0 GHz Max Frequency: Delivering lightning-fast responsiveness.
- 12 MB Cache: Optimizing data access for peak efficiency.

With a massive 32GB DDR4 RAM and a rapid 256GB SSD, the Neo H ensures swift boot times, instant application loading, and smooth operation, even under pressure.

Connectivity for Critical Operations

- Dual HDMI and VGA: Support for multiple displays for comprehensive monitoring.

- 2x USB 3.0 and 2x USB 2.0: Ample high-speed peripheral connections.
- 1x DB9 Serial Port (RS232): Essential for legacy industrial control and automation.
- Gigabit Ethernet and Dual Band Wi-Fi 5: Reliable, high-speed networking options.
- Speaker Out and Mic In: Full audio capabilities.

Built for Durability

- Steel housing with Power Coating: Resists wear and tear in industrial settings.
- Wide Operating Temperature: From 0°C to 40°C, ensuring stability.
- Certifications: BIS, RoHS, ISO compliance guarantees quality and safety.

Operating System

- Ubuntu Linux 24.04 LTS: Providing a stable, secure, and open-source platform.

The Thinvent Neo H is the ultimate choice for industrial control, automation, and applications demanding maximum performance and unwavering reliability in a compact, powerful package.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	512 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	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	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	1.33kg, 1.75kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE	
H-i5_14-[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 Thinix = Thinix™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None KM = Keyboard and Mouse set 1S = DB9 Serial MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse

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