



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I5_14-32-S32-12_5-M-11V-0



Thinvent Neo H: The Industrial Powerhouse, Engineered for Excellence.

Experience unmatched performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse, our largest Neo model, is engineered in India for demanding applications like industrial control, offering robust power and unwavering reliability in a compact, solid steel chassis.

Performance Beyond Limits

Unleash exceptional speed and efficiency with the Intel® Core™ 5 12U processor, boasting 10 cores and clocking up to 5.0 GHz with a generous 12 MB cache. Coupled with 32GB DDR4 RAM and a swift 32GB SSD, the Neo H delivers rapid boot-ups, seamless multitasking, and responsive operation for critical industrial tasks.

Comprehensive Connectivity

- Dual HDMI and a VGA port provide versatile multi-display support for monitoring and control systems.
- 2 USB 3.0 and 2 USB 2.0 ports for diverse peripheral connections.

- Gigabit Ethernet ensures high-speed wired networking.
- Dual Band Wi-Fi 5 (802.11ac) offers reliable wireless connectivity.
- Speaker Out and Mic In for complete audio integration.

Built to Endure

- Durable steel housing with a sleek black powder coating ensures longevity in harsh environments.
- Designed to operate from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO standards for unwavering quality and safety.
- Pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value for long-term stability, security, and enterprise-grade manageability.

The Thinvent Neo H is not just a mini PC; it's a testament to powerful, reliable, and proudly Indian engineering, ready to elevate your industrial operations.

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	32 GB
SSD Storage	32 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	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	1.33kg, 1.75kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB	m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB		
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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