



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

1TB SSD

No WiFi

Without OS

SKU: H-I5_14-8-M1024-12_5-X-W_OS-0



Unleash Industrial Power: The Neo H is Here.

Introducing the Thinvent® Neo H Mini PC, the high-performance version of our bestselling Neo model. This industrial workhorse, 100% designed and made in India, is engineered for the most demanding applications, including industrial control. Its robust solid steel chassis with a durable power coating ensures reliable operation in challenging environments.

Unmatched Performance

- Command complex tasks with the Intel® Core™ 5 120U processor, featuring 10 cores and turbo speeds up to 5.0 GHz, backed by a 12 MB cache for exceptional responsiveness.
- Seamlessly run critical applications and multitask effortlessly with 8GB DDR4 RAM.
- Experience lightning-fast boot times and rapid data access thanks to the 1TB SSD.

Extensive Connectivity

- Drive multiple displays for comprehensive monitoring with 2x HDMI and 1x VGA ports.
- Connect essential peripherals via 2x USB 3.0 and 2x USB 2.0 ports, alongside Speaker Out and Mic In.



- Ensure ultra-stable, high-speed networking with a 1000 Mbps Gigabit Ethernet port.

Built for Durability

- Designed for continuous operation in temperatures from 0°C to 40°C and 20% to 80% RH non-condensing humidity.
- Powered by a robust 12V 7A adapter, supporting wide AC input from 100~275V for consistent performance.
- Trust in quality with BIS, RoHS, and ISO certifications.
- Its compact yet robust dimensions of 210mm x 202mm x 80mm make it a powerful fit.

Ultimate Flexibility

- Delivered Without OS, providing you the freedom to install your preferred operating system or specialized industrial software, tailored to your exact needs.

The Thinvent® Neo H Mini PC stands as our largest product, combining powerful CPU and RAM configurations with a host of connectivity options in a resilient, compact 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	1024 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
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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	Without OS
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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
	64 = 64GB DDR4		32 = 32GB 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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