



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I5_14-64-S32-12_5-M-U-0



Unleash unparalleled power in a compact, industrial-grade design.

Introducing the Thinvent® Neo H Mini PC, the High Performance evolution of our bestselling Neo model. This industrial workhorse is our largest and most robust offering, engineered to dominate demanding applications from industrial control to complex data processing. Experience blazing speed and seamless multitasking with the Intel® Core™ 5 120U processor, featuring

- 10 cores for exceptional parallel processing
- Up to 5.0 GHz max frequency for turbo-charged performance
- A generous 12 MB cache for rapid data access

Power and Performance

Equipped with 16GB DDR4 RAM and a rapid 256GB SSD, the Neo H ensures instant responsiveness and efficient operation, even under heavy loads. Its pre-installed Ubuntu Linux 24.04 LTS provides a stable, secure, and open-source foundation for your critical operations.

Connectivity and Durability

Designed for maximum versatility, this mini PC boasts a comprehensive suite of ports

- Dual HDMI and a VGA port for flexible display setups
- Four USB ports (two USB 3.0, two USB 2.0) for extensive peripheral support
- Gigabit Ethernet and dual-band Wi-Fi 5 for reliable, high-speed networking
- Speaker Out and Mic In for audio integration

Built with a solid steel housing and powder-coated black finish, the Neo H is a testament to durability, operating reliably from 0°C to 40°C. Proudly 100% designed and made in India, and certified with BIS, RoHS, and ISO, it represents peak performance and unwavering reliability for your toughest challenges.

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	64 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	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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