

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

128GB SSD

No WiFi

Ubuntu Linux

SKU: H-I5_14-64-M128-12_5-X-U-0



Unleash Industrial Performance: The Neo H Mini PC Redefined.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse, proudly designed and made in India with a solid steel build, offers unparalleled reliability and power for demanding applications like industrial control. It's our largest product, engineered for superior CPU and RAM configurations.

Experience Unrivaled Power

- Powered by an Intel® Core™ 5 120U processor with 10 cores, bursting up to 5.0 GHz and featuring a 12 MB cache, for lightning-fast processing.
- Seamlessly handle intensive tasks with 32GB DDR4 RAM.
- Enjoy blazing-fast boot times and ample storage with a 1TB SSD.

Robust Connectivity & Reliability

- Connect multiple displays with 2 HDMI and 1 VGA output.

- Ensure stable, high-speed networking with 1000 Mbps Ethernet (no WiFi for enhanced security and reliability in industrial settings).
- Versatile peripheral support via 2 USB 3.0 and 2 USB 2.0 ports.
- Features speaker out and mic in ports for comprehensive audio needs.
- Runs on a secure and stable Ubuntu Linux 24.04 LTS operating system.
- Operates reliably on a wide power input of 100~275 Volts AC, delivered via a robust 12V 7A adapter with a 2-metre cable.

Engineered for Extremes

- Housed in a durable, powder-coated black steel chassis (210mm x 202mm x 80mm).
- Built to perform in challenging environments, from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO for quality and compliance.

The Neo H Mini PC is your definitive solution for industrial-grade computing.



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	128 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	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 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

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

