

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: H-I5_14-32-M256-12_5-M-W_OS-1S



Thinvent® Neo H: Unrivaled Performance for India's Industrial Future.

Experience the High Performance version of our bestselling Neo model, the Thinvent® Neo H Mini PC. Engineered as a true industrial workhorse, this powerful unit combines robust construction with cutting-edge components, 100% designed and made in India.

Unleash exceptional computing power

- At its heart, the Intel® Core™ 5 120U processor boasts 10 cores, accelerating up to 5.0 GHz with a substantial 12 MB cache, ensuring lightning-fast processing for demanding applications.
- Seamlessly run complex tasks with 16GB DDR4 RAM.
- A durable 32GB MLC SSD provides rapid boot times and quick data access.

Robust connectivity options

- Drive multiple displays with dual HDMI and a VGA port.
- Connect all your peripherals via 2x USB 3.0 and 2x USB 2.0 ports.

- Integrate effortlessly with industrial systems using the dedicated DB9 RS232 serial port.
- Essential audio connectivity with Speaker Out and Mic In ports.
- Enjoy reliable, high-speed networking with Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).

Built for endurance

- The solid black powder-coated steel housing (210mm x 202mm x 80mm) ensures durability in tough environments.
- Operates reliably from 0°C to 40°C with 20% to 80% RH non-condensing humidity.
- Versatile 100~275V AC power input with a 2-meter adapter cable for the 12V 7A adapter.
- BIS, RoHS, and ISO certifications guarantee quality and compliance.

The Thinvent® Neo H comes without an operating system, offering you complete flexibility to deploy your preferred software solution for industrial control and similar applications.

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	256 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	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 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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