

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 64GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Without OS

## DB9 Serial

SKU: H-I5\_14-64-M1024-12\_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

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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	1024 GB

### DISPLAY

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HDMI	2
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1

### CONNECTIVITY

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USB 3.0	2
USB 2.0	2
Serial Port	1 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### POWER

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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

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Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

### PHYSICAL

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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

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Operating System	Without OS
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## Ordering Information

PRODUCT CODE	
<b>H-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>	
<b>RAM</b>	<b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4 <b>64</b> = 64GB DDR4
<b>SSD</b>	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <b>m1024</b> = 1TB <b>S32</b> = 32GB MLC <b>S128</b> = 128GB <b>S256</b> = 256GB
<b>Wireless</b>	<b>m</b> = Dual Band WiFi <b>X</b> = No WiFi
<b>OS</b>	<b>DOS</b> = DOS <b>W_OS</b> = Without OS <b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro <b>Thinux</b> = Thinux™ Embedded Linux <b>U</b> = Ubuntu Linux
<b>Accessories</b>	<b>0</b> = None <b>KM</b> = Keyboard and Mouse set <b>1S</b> = DB9 Serial <b>MK</b> = Mechanical Keyboard <b>Mo</b> = Wired Optical Scroll Mouse

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