

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

**16GB DDR4 RAM**

**32GB MLC SSD**

**No WiFi**

**Without OS**

SKU: H-I5\_14-16-S32-12\_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 16GB DDR4 RAM.
- Experience lightning-fast boot times and rapid data access thanks to the 32GB 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	16 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
----------	-----------

### 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
------------------	------------

## 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>Thinix</b> = Thinix™ 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

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto: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

