



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 32GB DDR4 RAM

## 1TB SSD

## No WiFi

## Without OS

## DB9 Serial

SKU: H-I5\_14-32-M1024-12\_5-X-W\_OS-1S



Powering Progress, Engineered for Endurance.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This is an industrial workhorse, meticulously designed and 100% made in India, delivering uncompromising power and reliability. Encased in a solid steel housing (210mm × 202mm × 80mm) with a durable black powder coating, it's built to withstand the most demanding environments.

### Unleashed Performance

Experience unparalleled processing capabilities with the Intel® Core™ 5 120U processor, featuring 10 cores reaching up to 5.0 GHz with a 12 MB cache. Coupled with a massive 64GB DDR4 RAM, the Neo H effortlessly handles complex computations, data processing, and heavy loads. Its 128GB SSD ensures rapid boot-ups and swift application launches, optimizing operational workflows crucial for industrial control applications.

### Industrial-Grade Connectivity & Reliability

Tailored for industrial control and similar demanding environments, the Neo H offers robust connectivity and steadfast reliability.

### Key Connections

- Critical DB9 male RS232 serial port for seamless legacy equipment
- Dual HDMI and VGA for versatile multi-display configurations
- Speaker Out and Mic In for audio integration
- Four USB ports (2x 3.0, 2x 2.0)
- 1000 Mbps Ethernet for stable wired networking

It operates reliably across 0°C ~ 40°C and 20% ~ 80% RH (non-condensing), powered by a 12V 7A adapter with wide 100~275V AC input. With BIS, RoHS, and ISO certifications, quality and compliance are guaranteed.

### Deployment Ready

Shipped without an operating system and intentionally lacking WiFi, the Neo H provides ultimate flexibility for installing your preferred industrial OS or custom software, ensuring a secure and tailored solution for your specific application needs.



# 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	32 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
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### 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>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

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