



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 8GB DDR4 RAM

## 1TB SSD

## No WiFi

## DOS

## DB9 Serial

SKU: H-I5\_14-8-M1024-12\_5-X-DOS-1S



## Thinvent Neo H: The Industrial Powerhouse Engineered for Extreme Performance.

Experience the high-performance evolution of our bestselling Neo model with the Thinvent® Neo H Mini PC. As our largest and most powerful offering, this industrial workhorse is 100% designed and made in India, featuring a solid steel build for uncompromising durability. Perfect for demanding industrial control and similar applications, the Neo H delivers robust processing power and a host of connectivity options.

### Unmatched Performance

- Driven by an Intel® Core™ 5 120U processor, featuring 10 cores and clocking up to 5.0 GHz with a 12 MB cache, it provides exceptional speed for complex tasks.
- Benefit from rapid multi-tasking and quick boot times thanks to 4GB DDR4 RAM and a swift 128GB SSD.

### Industrial-Grade Connectivity

- Connect multiple displays with 2 HDMI and 1 VGA port.
- Access legacy systems with a dedicated DB9 male RS232 serial port.

- Enjoy stable, interference-free networking with integrated 1000 Mbps Gigabit Ethernet.
- Expand peripherals via 2 USB 3.0 and 2 USB 2.0 ports.
- Includes speaker out and mic in for audio needs.

### Built to Last

- Housed in a durable, powder-coated black steel chassis (210mm × 202mm × 80mm), designed to withstand tough environments.
- Operates reliably in temperatures from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO for quality and compliance.
- Power flexibility with a 12V 7A adapter and a wide 100~275V AC input range.

The Neo H comes with FreeDOS, offering the flexibility to install your preferred industrial operating system for specialized 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	8 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	FreeDOS
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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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