



# Thinvent Neo H Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 16GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Without OS

## DB9 Serial

SKU: H-I3\_13-16-M1024-12\_5-M-W\_OS-1S



## Thinvent Neo H: Your High-Performance Industrial Command Center.

Experience unparalleled power and reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest and most robust offering, this industrial workhorse is 100% designed and made in India, engineered for demanding applications like industrial control. Its solid steel build ensures longevity and dependable operation.

### Core Performance

- Driven by an Intel® Core™ i3-1315U processor with 6 cores, clocking up to 4.5 GHz and boasting a 10 MB cache, the Neo H delivers exceptional processing power.
- Tackle intensive tasks with ease, supported by 4GB DDR4 RAM for swift multitasking and a spacious 512GB SSD for lightning-fast data access and storage.

### Unrivaled Connectivity

- This powerhouse features a comprehensive array of ports, including 1 HDMI and 1 VGA for display versatility.
- Benefit from 2 USB 3.2 and 2 USB 2.0 ports for modern peripherals.

- Crucially, it includes a DB9 male RS232 serial port, indispensable for legacy industrial equipment.
- Stay connected with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust wireless networking.
- Audio needs are met with a Speaker Out and Mic In.

### Built for Endurance

- Housed in a solid steel chassis with a durable black power coating, the Neo H is built to withstand rigorous industrial environments.
- Designed for reliable operation in temperatures from 0°C to 40°C, it meets BIS, RoHS, and ISO certifications for quality and safety.
- Its compact dimensions (210mm × 202mm × 80mm) belie its powerful capabilities.

### Customizable Flexibility

- Delivered without an operating system, the Neo H offers complete flexibility to install your preferred OS, tailored precisely to your application's needs.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

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Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	1024 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1

### CONNECTIVITY

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USB 3.2	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	1.62kg, 2.04kg

### OPERATING SYSTEM

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Operating System	Without OS
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## Ordering Information

PRODUCT CODE	
<b>H-i3_13-[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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