



# 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

## No WiFi

## DOS

## DB9 Serial

SKU: H-I3\_13-16-M1024-12\_5-X-DOS-1S



## Thinvent Neo H: India's Industrial Workhorse, Redefined.

The Thinvent® Neo H Mini PC is the high-performance evolution of our bestselling Neo series, engineered as a robust industrial workhorse for demanding applications. This is our largest product with powerful CPU and RAM configurations. 100% designed and made in India, this solid steel machine delivers unparalleled power and reliability.

### Unmatched Performance

- Driven by the Intel® Core™ i3-1315U processor, featuring 6 cores and speeds up to 4.5 GHz with a 10 MB cache, it handles complex tasks with ease.
- Equipped with 8GB DDR4 RAM and a rapid 256GB SSD, experience lightning-fast boot times and seamless multitasking.

### Industrial-Grade Connectivity

- Specifically designed for industrial control and similar applications, the Neo H boasts a dedicated DB9 male RS232 serial port.
- Dual display outputs (1 HDMI, 1 VGA) offer versatile monitoring.

- Connect peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- A stable 1000 Mbps Ethernet connection ensures reliable network access, perfect for environments where wireless interference is a concern (No WiFi included).
- Essential audio ports include Speaker Out and Mic In.

### Built for Endurance

- Housed in a durable, power-coated black steel chassis (210mm x 202mm x 80mm).
- Operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non condensing.
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Powered by a robust 12V 7A adapter with a 2-metre cable, accepting 100~275V AC input.

### Operating System

- Comes pre-installed with FreeDOS, providing a flexible base for custom software deployments or tailored operating systems.



# 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
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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	1.62kg, 2.04kg

### OPERATING SYSTEM

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Operating System	FreeDOS
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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>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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