

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 64GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## DOS

## DB9 Serial

SKU: H-I3\_13-64-M128-12\_5-M-DOS-1S



## Compact Powerhouse: Built for Industrial Demands

Introducing the Thinvent® Neo H Mini PC: the high-performance evolution of our bestselling Neo model. This isn't just a mini PC; it's a robust industrial workhorse, meticulously designed and 100% made in India to deliver uncompromising power and reliability. Encased in solid, power-coated steel, the Neo H is built to endure, making it ideal for demanding industrial control and similar applications.

### Unrivalled Performance

- Experience lightning-fast processing with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz, backed by a generous 10 MB cache.
- Multitask effortlessly with 32GB DDR4 RAM, ensuring smooth operation even with intensive workloads.
- Benefit from rapid boot times and quick data access with the 32GB MLC SSD.

### Versatile Connectivity

- Seamlessly integrate with any setup using a comprehensive array of ports, including a DB9 male RS232 Serial port vital for industrial communication.

- Stay connected with blazing-fast 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Visual flexibility with 1 HDMI and 1 VGA output.
- Ample peripheral support with 2 USB 3.2 and 2 USB 2.0 ports, plus dedicated speaker out and mic in.

### Built for Industry

- Our largest product, yet maintaining a compact 210mm x 202mm x 80mm footprint.
- Operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH.
- Wide power input (100~275V AC) ensures stable operation in diverse environments using its 12V 7A adapter.
- Certified with BIS, RoHS, and ISO for quality and compliance.
- Ships with FreeDOS, offering ultimate flexibility for your chosen operating system.

This powerhouse is engineered for resilience and high-performance computing wherever it's needed most.

# 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	64 GB
SSD Storage	128 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	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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