

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 64GB DDR4 RAM

## 128GB SSD

## No WiFi

## DOS

## DB9 Serial

SKU: H-I3\_13-64-M128-12\_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     | 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 |
|----------|-----------|

### 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 |
|------------------|---------|

## Ordering Information

### PRODUCT CODE

**H-i3\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|                    |                                        |                     |                                    |                       |
|--------------------|----------------------------------------|---------------------|------------------------------------|-----------------------|
| <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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