



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

**4GB DDR4 RAM**

**256GB SSD**

**Dual Band WiFi**

**Windows 11 IoT Value**

SKU: H-I3\_12-4-M256-12\_5-M-11V-0



Unleash Unrivaled Industrial Performance.

### Thinvent® Neo H: The High-Performance Mini PC

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This industrial workhorse is our largest and most powerful system, meticulously 100% designed and made in India. With a solid steel build and sleek black powder coating, it's engineered for uncompromising durability in demanding environments, making it ideal for industrial control and similar applications.

#### Core Performance Unleashed

Experience blazing speed and seamless multitasking with the Intel® Core™ i3-1215U processor, featuring 6 cores, up to 4.4 GHz boost, and a generous 10 MB cache. Equipped with a massive 64GB DDR4 RAM and a swift 128GB SSD, the Neo H delivers the computational muscle required for even the most intensive tasks.

### Robust Connectivity and Design

#### Connectivity is comprehensive and reliable

- Connect to multiple displays via HDMI and VGA.
- Integrate a host of peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- Ensure robust network access with a 1000 Mbps Ethernet port and dual-band Wi-Fi 5 (802.11ac).
- Audio needs are met with dedicated Speaker Out and Mic In.

This compact powerhouse, measuring 210mm × 202mm × 80mm, operates reliably from 0°C to 40°C. Powered by a 12V 7A adapter with a 2-meter cable (accepting 100~275V AC input), the Neo H is certified with BIS, RoHS, and ISO. Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it guarantees stability, security, and long-term support for your critical operations.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 4 GB    |
| SSD Storage     | 256 GB  |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|              |   |
|--------------|---|
| USB 3.2      | 2 |
| USB 2.0      | 2 |
| RS485 Option | 1 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

|              |  |
|--------------|--|
| 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

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

|                      |                       |
|----------------------|-----------------------|
| 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 | 1.69kg, 2.11kg        |

### OPERATING SYSTEM

|                  |   |
|------------------|---|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

## Ordering Information

| PRODUCT CODE  |  |
|---|--|
| <b>H-i3_12-[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<br><b>64</b> = 64GB DDR4   |
| <b>SSD</b>  | <b>m128</b> = 128GB <b>m256</b> = 256GB<br><b>m32</b> = 32GB <b>m512</b> = 512GB<br><b>m1024</b> = 1TB <b>S32</b> = 32GB MLC<br><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<br><b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro<br><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<br><b>1S</b> = DB9 Serial <b>MK</b> = Mechanical Keyboard<br><b>Mo</b> = Wired Optical Scroll Mouse                       |

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