



# Thinvent Neo H Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

**32GB DDR4 RAM (2 x 16GB)**

**256GB SSD**

**Dual Band WiFi**

**Windows 11 Pro**

**DB9 Serial**

SKU: H-I5\_12-16\_16-M256-12\_7-M-11P-1S



Thinvent® Neo H: The Industrial Powerhouse – Unrivalled Performance, Unbreakable Reliability.

Unleash the ultimate industrial workhorse with the Thinvent® Neo H Mini PC. As the high-performance evolution of our bestselling Neo line, this is our largest and most robust model, meticulously engineered for demanding industrial control and similar applications. 100% designed and made in India, its solid steel construction ensures unparalleled durability.

### Key Advantages

- Blazing-Fast Processing: Powered by an Intel® Core™ i5-1250P processor featuring 12 cores and turbo frequencies up to 4.4 GHz with 12 MB cache, experience seamless multitasking and powerful execution for critical operations.
- Optimized Performance: Equipped with 4GB DDR4 RAM and a rapid 32GB MLC SSD, ensuring quick boot times and responsive application handling in a compact footprint.

- Robust Connectivity: Integrate effortlessly with a comprehensive array of ports, including 2x USB 3.2, 2x USB 2.0, HDMI, VGA, Speaker Out, Mic In, Gigabit Ethernet, dual-band Wi-Fi 5 (802.11ac), and a crucial DB9 male RS232 serial port for legacy systems.
- Built for Endurance: Housed in durable, powder-coated black steel, the Neo H operates reliably from 0°C to 40°C and 20% to 80% RH. Certified with BIS, RoHS, and ISO standards, it's engineered for continuous, demanding use.
- Professional OS: Comes pre-installed with Microsoft Windows 11 Pro, providing a secure and familiar environment for your industrial needs.

With its robust power input range (100~275V AC) and compact dimensions (210mm × 202mm × 80mm), the Thinvent® Neo H is your go-to solution for high-performance, long-lasting industrial computing.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 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                |
| Serial Port | 1 DB9 male RS232 |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~275 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 | 1.82kg, 2.24kg        |

### OPERATING SYSTEM

|                  |                          |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

### PRODUCT CODE

**H-i5\_12-[RAM]-[SSD]-12\_10-[Wireless]-[OS]-[Accessories]**

|             |                                            |                                            |                                         |                       |
|-------------|--------------------------------------------|--------------------------------------------|-----------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                        | <b>8</b> = 8GB DDR4                        | <b>16</b> = 16GB DDR4                   | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB<br>DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB<br>DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4<br>RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                        |                                            | <b>m256</b> = 256GB                     |                       |
|             | <b>m512</b> = 512GB                        |                                            | <b>m1024</b> = 1TB                      |                       |
|             | <b>S32</b> = 32GB MLC                      |                                            | <b>S128</b> = 128GB                     |                       |
|             | <b>S256</b> = 256GB                        |                                            |                                         |                       |
| Wireless    | <b>m</b> = Dual Band WiFi                  |                                            | <b>X</b> = No WiFi                      |                       |
| OS          | <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                 |                       |
| Accessories | <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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