



# Thinvent Neo H Mini PC

## Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

## Dual LAN

## 16GB DDR5 RAM

## 128GB SSD

## No WiFi

## Ubuntu Linux

SKU: H-CU5\_14L-16\_5-M128-12\_5-X-U-0



Engineered for relentless industrial performance, built to last in India.

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

Meet the ultimate industrial workhorse. As the high-performance evolution of our bestselling Neo model, this powerhouse is engineered to tackle demanding control and automation tasks with unshakeable reliability. Its robust, solid steel construction is built for the rigours of the factory floor, delivering steadfast operation where it matters most.

### Why choose the Neo H for your operation

- Conquer complex industrial applications with smooth, efficient processing power that keeps your systems running without interruption.

- Enjoy exceptional versatility with a host of connectivity ports, allowing seamless integration into existing machinery and control networks.
- Rely on unwavering stability in challenging environments, thanks to its durable, all-steel chassis and industrial-grade design.
- Simplify deployment and management with a lean, secure operating system pre-installed and ready for your specialised software.
- Invest in sovereign manufacturing with a product that is 100% designed and made in India, supporting robust local industry.

Built for duty, not just display, the Neo H is the dependable core for your most critical industrial processes.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 14th    |
| Series          | Ultra 5 |
| Processor Brand | Intel   |
| Processor Model | 125U    |
| Cores           | 12      |
| Max Frequency   | 4.3 GHz |
| Cache           | 12 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 128 GB  |

### DISPLAY

|          |   |
|----------|---|
| HDMI 2.0 | 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 |
| Ethernet Ports | 2         |

### 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 | 1.73kg, 2.14kg        |

### OPERATING SYSTEM

|                  |                        |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

### PRODUCT CODE

**H-cu5\_14l-[RAM]-[SSD]-12\_5-[Wireless]-[OS]-[Accessories]**

|             |                                             |                                    |                         |                                             |
|-------------|---------------------------------------------|------------------------------------|-------------------------|---------------------------------------------|
| RAM         | <b>8_5</b> = 8GB DDR5                       | <b>16_5</b> = 16GB DDR5            | <b>32_5</b> = 32GB DDR5 | <b>32_5_32_5</b> = 64GB DDR5 RAM (2 x 32GB) |
|             | <b>16_5_16_5</b> = 32GB DDR5 RAM (2 x 16GB) |                                    |                         |                                             |
| 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>Thinix</b> = Thinix™ 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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