



## Thinvent Neo H Mini PC

### Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

### Dual LAN

### 32GB DDR5 RAM

### 32GB MLC SSD

### No WiFi

### Windows 11 IoT Value

### Thinvent Keyboard and Mouse set

SKU: H-CU5\_14L-32\_5-S32-12\_5-X-11V-KM



Engineered for the relentless rhythm of industry: the Thinvent Neo H.

#### Built for Demanding Environments

Forget consumer-grade electronics. The Neo H is an industrial workhorse, engineered from the ground up for durability. Its solid steel chassis and rugged build are born to thrive on the factory floor, in control rooms, and in harsh settings where reliability is non-negotiable. This is 100% Indian design and manufacturing, built to withstand the test of time and task.

#### Uncompromising Power Meets Robust Connectivity

As the high-performance flagship of our bestselling Neo series, this mini PC delivers serious computational muscle for industrial control, automation, and machine interfacing. It tackles complex tasks with seamless efficiency, keeping your operations running smoothly. Dual Ethernet ports ensure critical, rock-solid network connections, while a host of legacy and modern ports provide unmatched flexibility to interface with a world of industrial equipment.

#### Deploy with Utmost Confidence

We deliver a complete, ready-to-work solution straight out of the box. With a trusted Windows IoT operating system pre-installed and including our own keyboard and mouse set, the Neo H minimises setup complexity and gets straight down to business. Choose the industrial computing partner that doesn't just perform, but endures.



# 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     | 32 GB   |
| SSD Storage     | 32 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 | 2.24kg, 2.66kg        |

### ACCESSORIES

|                    |   |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

### OPERATING SYSTEM

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

## 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      |                                    |                         |                                             |

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

**R&D and Manufacturing**  
**#11 Sports Complex**  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
**UGF-10-A Omaxe Gurgaon Mall**  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

