



# 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

## 1TB SSD

## Dual Band WiFi

## Without OS

SKU: H-CU5\_14L-16\_5-M1024-12\_5-M-W\_OS-0



Unleash formidable industrial computing power in a compact, robust chassis.

### Meet the Neo H: The High-Performance Industrial Workhorse

The Neo H is our most powerful and capable mini PC, engineered to thrive in demanding environments. Built on the strength of our bestselling Neo platform, it delivers exceptional processing muscle and rock-solid reliability for mission-critical operations. This is a true industrial-grade workhorse, 100% designed and made in India.

#### Engineered for Demanding Applications

- Power through complex industrial control, automation, and monitoring tasks with smooth, responsive performance.
- Its solid steel construction ensures exceptional durability, standing up to the rigours of factory floors and harsh operational settings.

- Dual LAN ports provide essential network redundancy and flexible connectivity for seamless integration into your systems.
- A host of ports offers versatile connectivity for a wide range of peripherals and displays, simplifying your setup.

#### Built for Reliability, Designed for India

- Experience unwavering stability with a design tested for continuous operation in challenging conditions.
- Benefit from local design and manufacturing, ensuring support and a product built for regional requirements.
- Deploy a supremely capable, compact computing solution that saves space without compromising on power or resilience.

The Thinvent Neo H: Where high-performance computing meets industrial-grade fortitude.

# 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     | 1024 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                             |
| 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 | 1.73kg, 2.14kg        |

### OPERATING SYSTEM

|                  |            |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

## Ordering Information

| PRODUCT CODE                                             |                                      |                             |                  |                                      |
|----------------------------------------------------------|--------------------------------------|-----------------------------|------------------|--------------------------------------|
| H-cu5_14l-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories] |                                      |                             |                  |                                      |
| RAM                                                      | 8_5 = 8GB DDR5                       | 16_5 = 16GB DDR5            | 32_5 = 32GB DDR5 | 32_5_32_5 = 64GB DDR5 RAM (2 x 32GB) |
|                                                          | 16_5_16_5 = 32GB DDR5 RAM (2 x 16GB) |                             |                  |                                      |
| SSD                                                      | m128 = 128GB                         | m256 = 256GB                |                  |                                      |
|                                                          | m512 = 512GB                         | m1024 = 1TB                 |                  |                                      |
|                                                          | S32 = 32GB MLC                       | S128 = 128GB                |                  |                                      |
|                                                          | S256 = 256GB                         |                             |                  |                                      |
| Wireless                                                 | m = Dual Band WiFi                   | X = No WiFi                 |                  |                                      |
| OS                                                       | DOS = DOS                            | W_OS = Without OS           |                  |                                      |
|                                                          | 11V = Windows 11 IoT Value           | 11P = Windows 11 Pro        |                  |                                      |
|                                                          | Thinix = Thinix™ Embedded Linux      | U = Ubuntu Linux            |                  |                                      |
| Accessories                                              | 0 = None                             | KM = Keyboard and Mouse set |                  |                                      |
|                                                          | 1S = DB9 Serial                      | MK = Mechanical Keyboard    |                  |                                      |
|                                                          | Mo = Wired Optical Scroll Mouse      |                             |                  |                                      |

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