# Thinvent Neo H Mini PC

## Intel Core Ultra 5 125U processor

### 12 core, up to 4.3 GHz, 12 MB cache

## Dual LAN

## 64GB DDR5 RAM (2 x 32GB)

## 1TB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: H-CU5_14L-32_32_5-M1024-12_7-M-11V-0




The power to perform, packed into a robust and reliable footprint.

**Introducing the Thinvent® Neo H Mini PC**

Built for the demands of modern industry, the Neo H is our most powerful compact computer. This industrial workhorse delivers exceptional processing muscle, ensuring smooth operation for your most critical control and automation tasks. Experience seamless multitasking and rapid data handling that keeps your operations running without a hitch.

**Engineered for reliability in any environment**

- Experience unwavering stability with a solid, all-steel construction that withstands the rigours of industrial settings.
- Connect with confidence using the extensive range of ports, designed for easy integration with a wide array of machinery and peripherals.
- Benefit from the trusted longevity and security of a dedicated industrial operating system, built for 24/7 operation.
- Deploy with pride, knowing your system is 100% designed and made in India to meet the highest standards of quality.

  Ideal for applications where failure is not an option, from production line control to digital signage and process monitoring. The Neo H isn't just a computer; it's a dependable partner for your business, engineered to power your productivity day in and day out.



# 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 | 64 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 | 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 | 181.5mm × 199.5mm × 72mm |
| Packing Dimensions | 340mm × 235mm × 105mm |
| Housing Material | Steel base, aluminium cover |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.82kg, 2.24kg |

### OPERATING SYSTEM

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

# Thinvent Neo H Mini PC

## Ordering Information

PRODUCT CODE

`H-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]`

| | | | | |
|---|---|---|---|---|
| RAM | **8_5** = 8GB DDR5 | **16_5** = 16GB DDR5 | **32_5** = 32GB DDR5 | **32_32_5** = 64GB DDR5 RAM (2 x 32GB) |
| | **16_16_5** = 32GB DDR5 RAM (2 x 16GB) | **8_8_5** = 16GB DDR5 RAM (2 x 8GB) | | |
| SSD | **m128** = 128GB | | **m256** = 256GB | |
| | **m512** = 512GB | | **m1024** = 1TB | |
| | **m2048** = 2TB | | **S32** = 32GB MLC | |
| | **S128** = 128GB | | **S256** = 256GB | |
| | **h1024** = 1TB HDD | | | |
| Wireless | **m** = Dual Band WiFi | | **X** = No WiFi | |
| OS | **DOS** = DOS | | **W_OS** = Without OS | |
| | **11V** = Windows 11 IoT Value | | **11P** = Windows 11 Pro | |
| | **11O** = Windows 11 Professional | | **Thinux** = Thinux™ 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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