



# Thinvent Neo H Mini PC

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I5\_13-8\_8-M512-12\_7-M-11V-0



Unleash Industrial Power: The Thinvent® Neo H Mini PC.

Discover the High Performance version of our bestselling Neo, an industrial workhorse meticulously designed and 100% made in India. As our largest product, it combines robust capability with a solid steel build, engineered for demanding industrial control and similar applications.

### Unrivalled Performance for Critical Tasks

- Experience relentless processing with the Intel® Core™ i5-1335U processor, featuring 10 cores, speeds up to 4.6 GHz, and a substantial 12 MB cache, ensuring swift multi-tasking and responsiveness.
- Seamlessly manage applications with 16GB DDR4 RAM.
- Benefit from lightning-fast boot times and expansive storage for your data with a 512GB SSD.

### Robust Connectivity & Reliability

- Flexible display options with dedicated HDMI and VGA ports.

- Comprehensive connectivity including 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet, and dual-band Wi-Fi 5 (802.11ac) for steadfast networking.
- Integrated speaker out and mic in ports offer versatile audio capabilities.
- Powered by a resilient 12V 7A adapter with wide 100~275V AC input tolerance, ensuring stable operation.

### Engineered for Durability

- Housed in a durable black powder-coated steel chassis, built to withstand challenging industrial environments (0°C ~ 40°C operating temperature, 20% ~ 80% RH non-condensing humidity).
- Certified with BIS, RoHS, and ISO for quality assurance and compliance.
- Comes pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value, providing a secure, stable, and long-term supported operating system tailored for industrial deployments.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1335U   |
| Cores           | 10      |
| Max Frequency   | 4.6 GHz |
| Cache           | 12 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 512 GB  |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|         |   |
|---------|---|
| USB 3.2 | 2 |
| USB 2.0 | 2 |

### 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 | 1.72kg, 2.13kg        |

### OPERATING SYSTEM

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

## Ordering Information

| PRODUCT CODE                                           |                                                                            |                                                               |                                                                   |
|--------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------|
| H-i5_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                                                            |                                                               |                                                                   |
| RAM                                                    | 4 = 4GB DDR4<br>32_32 = 64GB DDR4 RAM (2 x 32GB)                           | 8 = 8GB DDR4<br>16_16 = 32GB DDR4 RAM (2 x 16GB)              | 16 = 16GB DDR4<br>8_8 = 16GB DDR4 RAM (2 x 8GB)<br>32 = 32GB DDR4 |
| SSD                                                    | m128 = 128GB<br>m512 = 512GB<br>S32 = 32GB MLC<br>S256 = 256GB             | m256 = 256GB<br>m1024 = 1TB<br>S128 = 128GB                   |                                                                   |
| Wireless                                               | m = Dual Band WiFi                                                         | X = No WiFi                                                   |                                                                   |
| OS                                                     | DOS = DOS<br>11V = Windows 11 IoT Value<br>Thinux = Thinux™ Embedded Linux | W_OS = Without OS<br>11P = Windows 11 Pro<br>U = Ubuntu Linux |                                                                   |
| Accessories                                            | 0 = None<br>1S = DB9 Serial<br>Mo = Wired Optical Scroll Mouse             | KM = Keyboard and Mouse set<br>MK = Mechanical Keyboard       |                                                                   |

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