



# Thinvent Neo H Mini PC

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I5\_13-16\_16-M1024-12\_7-X-W\_OS-1S



Thinvent Neo H: Unleash Industrial Power, Built for the Future, Made in India.

Discover the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest product, this industrial workhorse is engineered for demanding applications, delivering exceptional power and reliability. Proudly 100% designed and made in India, its solid steel build ensures unparalleled durability in the toughest environments, making it ideal for industrial control and similar applications.

### Uncompromising Performance

- At its core, an Intel® Core™ i5-1335U processor with 10 cores and turbo speeds up to 4.6 GHz ensures lightning-fast execution for complex tasks.
- A substantial 12 MB cache optimizes data access for seamless operation.
- Equipped with a generous 32GB DDR4 RAM, the Neo H handles heavy workloads and sophisticated software with ease.
- Reliable 32GB MLC SSD storage provides robust performance crucial for critical data handling in industrial settings.

### Seamless Connectivity

- Integrate effortlessly with industrial systems using the dedicated 1 DB9 male RS232 serial port.
- Expand your visual workspace with dual display support via 1 HDMI and 1 VGA port.
- Connect essential peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- Ensure stable, high-speed data transfer through a robust 1000 Mbps Ethernet connection.
- A Speaker Out and Mic In provide full audio capabilities.

### Rugged Durability and Flexibility

The Neo H is housed in a durable, power-coated black steel chassis, built to withstand challenging operational conditions from 0°C to 40°C and 20% to 80% RH (non-condensing). Its compact dimensions of 210mm × 202mm × 80mm belie its immense power. Certified by BIS, RoHS, and ISO, this Mini PC guarantees quality and environmental compliance. Delivered without an operating system, it offers complete flexibility to deploy your preferred industrial OS or custom software solutions. A versatile 12V 7A adapter with a 2-metre cable supports wide input power (100~275V AC).



# 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     | 32 GB   |
| SSD Storage     | 1024 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|             |                  |
|-------------|------------------|
| USB 3.2     | 2                |
| USB 2.0     | 2                |
| Serial Port | 1 DB9 male RS232 |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### 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 | Without OS |
|------------------|------------|

## Ordering Information

## PRODUCT CODE

H-i5\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

## RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32\_32 = 64GB  
DDR4 RAM (2 x  
32GB)16\_16 = 32GB  
DDR4 RAM (2 x  
16GB)8\_8 = 16GB DDR4  
RAM (2 x 8GB)

## SSD

m128 = 128GB

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

Thinux = Thinux™ Embedded Linux

W\_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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