# Thinvent Neo H Mini PC

## Intel Core i3-12100 processor

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

## 64GB DDR4 RAM (2 x 32GB)

## 1TB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: H-I3_12D-32_32-M1024-19_7-M-11V-0




Power Your Industrial Operations with the Thinvent Neo H Mini PC

Compact enough to fit almost anywhere, powerful enough to run demanding industrial control tasks with confidence.

The Thinvent Neo H is the high performance version of our bestselling Neo model, and it is our largest and most capable unit. Built around the 12th generation Intel Core i3-12100 processor, it delivers quick, responsive performance for industrial control and similar applications where reliability matters every hour of the working day.

Its steel base and aluminium cover give the Neo H a solid, professional presence, finished in a durable black powder coat that looks at home on the factory floor or in the control room. The 4GB of DDR4 memory and 128GB SSD keep your core software and data ready to go, while Windows 11 IoT Enterprise LTSC 2024 Value provides a stable, long-term platform for your applications.

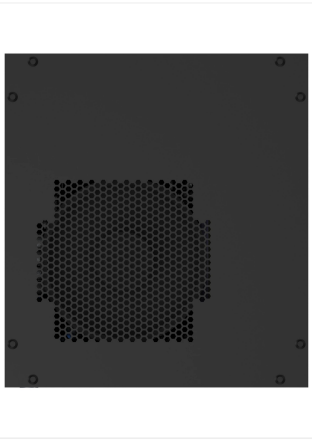
**Connectivity is where the Neo H truly shines. Whether you are linking displays, peripherals or your wider network, you will find what you need**

- Two HDMI and one DisplayPort outputs for flexible display setups
- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports for fast data transfer
- Gigabit Ethernet for reliable wired networking
- Dual band Wi-Fi 5 for wireless flexibility
- Dedicated speaker out and microphone in

Designed and made entirely in India, the Neo H is built to support the work that keeps your business moving. Choose the Thinvent Neo H Mini PC and give your industrial operations the dependable computing power they deserve.







# Thinvent Neo H Mini PC

## Specifications

### PROCESSING

| | |
|---|---|
| Generation | 12th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 12100 |
| Cores | 4 |
| Max Frequency | 4.3 GHz |
| Cache | 12 MB |
| Chipset | Intel B760 |
| TPM | TPM 2.0 header |
| Main Memory | 64 GB |
| SSD Storage | 1024 GB |

### DISPLAY

| | |
|---|---|
| HDMI | 2 |
| DisplayPort | 1 |

### AUDIO

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

### CONNECTIVITY

| | |
|---|---|
| USB 3.2 Gen 2 | 2 |
| USB 3.2 Gen 1 | 2 |

### NETWORKING

| | |
|---|---|
| Ethernet | 1000 Mbps |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

| | |
|---|---|
| DC Voltage | 19 Volts |
| DC Current | 7 Amps |
| Power Input | 100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 1.5 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 | 335mm × 240mm × 110mm |
| Housing Material | Steel base, aluminium cover |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 0.67kg, 1.09kg |

### OPERATING SYSTEM

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

# Thinvent Neo H Mini PC

## Ordering Information

PRODUCT CODE

`H-i3_12d-[RAM]-[SSD]-19_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 | | **m256** = 256GB | |
| | **m512** = 512GB | | **m1024** = 1TB | |
| | **m2048** = 2TB | | **S32** = 32GB MLC | |
| | **S32T** = 32GB | | **S128** = 128GB | |
| | **S256** = 256GB | | **m128_S128** = Dual 128GB | |
| | **m128_S32** = 128GB SSD + 32 GB MLC | | **S128_S32** = 128GB SSD + 32 GB MLC | |
| | **S128_S128** = 128GB SSD + 128 GB MLC | | **m32_S32** = 32GB SSD + 32 GB MLC | |
| | **S32_S32** = 32GB MLC SSD + 32GB MLC | | **S32T_S32T** = 32GB SSD + 32GB | |
| | **h1024** = 1TB HDD | | **n512_h1024** = 512GB NVMe SSD + 1TB HDD | |
| | **n1024_h1024** = 1TB NVMe SSD + 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 | | | |


www.thinvent.in 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