# 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)

## 128GB SSD

## Dual Band WiFi

## Windows 11 Pro

## Thinvent Keyboard and Mouse set

SKU: H-I3_12D-32_32-M128-19_7-M-11P-KM

Compact Power That Keeps Up With Your Industrial Demands

The Thinvent® Neo H Mini PC brings desktop-class performance into a compact, robust package built for demanding environments. Powered by a 12th Generation Intel® Core™ i3-12100 processor, it handles everyday industrial control tasks with quick, confident responsiveness.

Designed as the High Performance version of our bestselling Neo range, this is our largest and most capable model in the family. It is a true workhorse for control rooms, automation setups, monitoring stations and similar applications where reliability matters.

**Built to last**

- A steel base and aluminium cover, finished in powder-coated black, give the unit a sturdy, professional look that suits any workspace.
- Designed and manufactured in India, with the build quality you expect from a dedicated industrial computer maker.

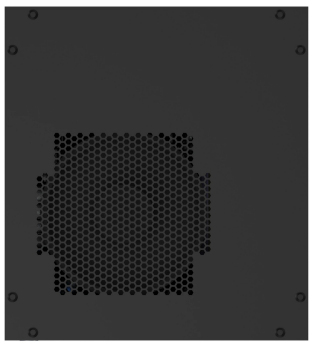
**Connect everything you need**

- Two HDMI and one DisplayPort output let you drive multiple screens for monitoring and operator dashboards.
- Two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports connect your peripherals and devices with ease.
- Gigabit Ethernet and dual band Wi-Fi keep your system online and connected.
- Dedicated speaker and microphone connections support audio and communication needs.

**Ready to work from the moment you switch on**

Windows 11 Pro and a Thinvent® keyboard and mouse set come included, so you can set up quickly and get straight to work.

Choose the Thinvent® Neo H Mini PC for a compact, capable system that keeps running when your operations depend on it.



# 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 | 128 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 | 340mm × 235mm × 105mm |
| Housing Material | Steel base, aluminium cover |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.42kg, 1.84kg |

### ACCESSORIES

| | |
|---|---|
| Keyboard and Mouse | 1 |

### OPERATING SYSTEM

| | |
|---|---|
| Operating System | Microsoft Windows 11 Pro |

# 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 | |
| | **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 + 32 GB MLC | |
| | **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 | | | |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