# Thinvent Neo H Mini PC

## Intel Core i3-14100 processor

### 4 core, up to 4.7 GHz, 12 MB cache

## 32GB DDR4 RAM (2 x 16GB)

## 512GB SSD

## No WiFi

## DOS

SKU: H-I3_14D-16_16-M512-19_7-X-DOS-0




Compact Power, Built for the Factory Floor

The Thinvent Neo H Mini PC brings desktop-grade Intel performance into a compact, industrial-ready package. Powered by the Intel Core i3-14100 processor, it delivers quick, responsive computing for demanding control and monitoring tasks, all within a footprint that fits almost anywhere.

Designed as the High Performance version of our bestselling Neo range, the Neo H is built to handle the workloads that keep operations running. Its robust steel base and aluminium cover, finished in durable powder-coated black, help it stand up to the rigours of everyday industrial environments.

Connectivity is where the Neo H truly shines. You can connect to a wide range of displays and peripherals, with multiple HDMI and DisplayPort outputs, several USB 3.2 ports, a gigabit Ethernet connection for reliable wired networking, and dedicated audio inputs and outputs. Integrated TPM 2.0 support adds a layer of hardware-level security for sensitive applications.



**Ideal for**

- Industrial control and automation systems
- Machine monitoring and data collection
- Digital signage and kiosk management
- Point-of-sale and back-office operations
- Embedded and dedicated-purpose computing

Proudly designed and made in India, the Neo H is built by Thinvent for businesses that need dependable performance without compromise. Choose the Neo H for a workhorse that keeps your operations moving, day after day.

# Thinvent Neo H Mini PC

## Specifications

### PROCESSING

| | |
|---|---|
| Generation | 14th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 14100 |
| Cores | 4 |
| Max Frequency | 4.7 GHz |
| Cache | 12 MB |
| Chipset | Intel B760 |
| TPM | TPM 2.0 header |
| Main Memory | 32 GB |
| SSD Storage | 512 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 |

### 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 | 0.91kg, 1.32kg |

### OPERATING SYSTEM

| | |
|---|---|
| Operating System | FreeDOS |

# Thinvent Neo H Mini PC

## Ordering Information

PRODUCT CODE

`H-i3_14d-[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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