# 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

## Thinux Embedded Linux

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




Power Your Industrial Operations With Compact, Confident Performance

Meet the Thinvent® Neo H Mini PC, the high performance flagship of our best-selling Neo range. Built for demanding industrial control and similar applications, it brings serious processing power into a compact black chassis that fits almost anywhere on the factory floor.

Designed and made in India, the Neo H is engineered for reliability at its core. Its steel base and aluminium cover, finished in a durable powder-coated black, give it a robust, professional look that suits both control cabinets and workstations.

**Why choose the Neo H**

- Strong processing power from the 14th generation Intel® Core™ i3-14100 processor, quick to respond when your applications need it most
- Ample connectivity, with two HDMI ports, a DisplayPort, two USB 3.2 Gen 2 and two USB 3.2 Gen 1 ports, plus gigabit Ethernet for fast, dependable networking
- A TPM 2.0 header to support your security requirements
- Ready to run Thinvent® Thinux™ Embedded Linux, with Chromium and Mozilla Firefox browsers, LibreOffice, a PDF viewer and a multimedia player with MPEG4 support
- Remote management made easy, with RDP 10, SSH, PuTTY, VNC shadowing and browser based management
- Support for Java, Python and glibc based applications, so your own software can run without fuss
- SIP video and voice over IP for clear, integrated communications

Built to keep working, the Neo H operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non condensing, making it a dependable choice for everyday industrial environments.

Whether you are upgrading an existing control system or specifying hardware for a new project, the Thinvent® Neo H Mini PC delivers the performance, connectivity and dependability your operation demands. Get in touch today and put a proven industrial workhorse to work for you.



# 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 | Thinvent® Thinux™ Embedded Linux |
| OS Features | Chromium and Mozilla Firefox browsers.<br>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.<br>Browser based remote management. VNC shadowing.<br>Java, Python and glibc based location application support.<br>LibreOffice and PDF viewer.<br>Multimedia player with MPEG4 support.<br>SIP video and voice over IP. |

# 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 | | | |


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