



# Thinvent Neo H Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 2TB SSD

## No WiFi

## Thinux Embedded Linux

SKU: H-I5\_14-16-M2048-12\_5-X-THINUX-0



Thinvent® Neo H Mini PC: Unrivalled Power, Unwavering Reliability, Made for Industry.

Experience the apex of industrial computing with the Thinvent® Neo H Mini PC. As the high-performance evolution of our bestselling Neo line, this robust workhorse is engineered in India for demanding environments. Its solid steel chassis, finished with a durable power coating in black, guarantees longevity and stability where it matters most, making it suitable for industrial control and similar applications.

### Unleash exceptional speed and responsiveness

- Driven by an Intel® Core™ 5 120U processor featuring 10 cores, up to 5.0 GHz, and 12 MB cache
- Paired with a massive 32GB DDR4 RAM for seamless multitasking and handling demanding applications
- Ultra-fast 128GB SSD ensures rapid boot-ups and quick data access

### Connectivity and Control

- Extensive I/O options for versatile deployment: 2x HDMI, 1x VGA, 2x USB 3.0, 2x USB 2.0, Speaker Out, and Mic In
- Gigabit Ethernet (1000 Mbps) provides stable, high-speed wired networking, ideal for critical applications

- Powered by a 12V 7A adapter with a 2-metre cable, accepting 100~275 Volts AC input
- Operates reliably from 0°C to 40°C with 20% to 80% RH non-condensing humidity

### Thinvent® Thinux™ Embedded Linux: Your Operational Advantage

- Pre-installed with Thinvent® Thinux™ for a secure and optimized experience
- Features comprehensive remote management capabilities: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, VNC shadowing, and browser-based remote management
- Includes essential productivity tools: Chromium and Mozilla Firefox browsers, LibreOffice, and a PDF viewer
- Supports Java, Python, and glibc-based applications, plus multimedia playback with MPEG4 support, and SIP video and voice over IP

Measuring 210mm × 202mm × 80mm, this compact powerhouse is 100% designed and made in India. Carrying BIS, RoHS, and ISO certifications, the Thinvent Neo H is your trusted solution for high-performance industrial computing.



# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 14th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 120U    |
| Cores           | 10      |
| Max Frequency   | 5 GHz   |
| Cache           | 12 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 2048 GB |

### DISPLAY

|      |   |
|------|---|
| HDMI | 2 |
| VGA  | 1 |

### AUDIO

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

### CONNECTIVITY

|         |   |
|---------|---|
| USB 3.0 | 2 |
| USB 2.0 | 2 |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 5 Amps                                       |
| Power Input  | 100~240 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 | 1.33kg, 1.75kg        |

### 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. |

## Ordering Information

## PRODUCT CODE

H-i5\_14-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

|             |                                 |                                 |                |                |
|-------------|---------------------------------|---------------------------------|----------------|----------------|
| RAM         | 4 = 4GB DDR4                    | 8 = 8GB DDR4                    | 16 = 16GB DDR4 | 32 = 32GB DDR4 |
| SSD         | m128 = 128GB                    | m256 = 256GB                    | m1024 = 1TB    |                |
|             | m512 = 512GB                    | S32 = 32GB MLC                  | S256 = 256GB   |                |
|             | m2048 = 2TB                     |                                 |                |                |
|             | S128 = 128GB                    |                                 |                |                |
| Wireless    | m = Dual Band WiFi              | X = No WiFi                     |                |                |
| OS          | DOS = DOS                       | W_OS = Without OS               |                |                |
|             | 11V = Windows 11 IoT Value      | 11P = Windows 11 Pro            |                |                |
|             | 110 = Windows 11 Professional   | Thinix = Thinix™ 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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