



# Thinvent Neo H Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

Dual Band WiFi

Thinix Embedded Linux

DB9 Serial

SKU: H-I3\_12-32\_32-M512-12\_7-M-THINUX-1S



Unleash unparalleled power and reliability for your industrial demands.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. 100% designed and made in India, this robust industrial workhorse features a solid steel build, ideal for demanding industrial control and similar applications. As our largest product, it offers powerful CPU and RAM configurations for unyielding performance.

### Unrivalled Performance

Experience exceptional speed with the Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache), 8GB DDR4 RAM, and a blazing-fast 1TB SSD. Ensuring seamless multitasking, rapid data access, and a responsive experience under heavy loads.

### Extensive Connectivity

Stay connected with a host of versatile options for any setup.

- Two USB 3.2 and two USB 2.0 ports.
- HDMI and VGA outputs for dual-display.
- Speaker out and mic in.
- DB9 male RS232 serial port for industrial control.

- 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).

### Thinvent® Thinix™ Embedded Linux OS

Thinvent® Thinix™ Embedded Linux offers a secure, efficient, feature-rich OS.

- Web browsers: Chromium and Mozilla Firefox.
- Remote access: RDP 10, Putty, and SSH for secure display and management.
- System management: Browser-based remote management and VNC shadowing.
- Application support: Java, Python, and glibc-based applications.
- Productivity: LibreOffice and PDF viewer.
- Multimedia and Communication: MPEG4 player, SIP video and voice over IP.

### Industrial Strength and Reliability

Encased in durable, black power-coated steel, the Neo H operates reliably from 0°C to 40°C. BIS, RoHS, and ISO certifications affirm its quality and compliance. Its 12V 7A adapter with a 2-metre cable and wide 100~275V AC input ensures flexible power deployment.

# Thinvent Neo H Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 512 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|              |                  |
|--------------|------------------|
| USB 3.2      | 2                |
| USB 2.0      | 2                |
| Serial Port  | 1 DB9 male RS232 |
| RS485 Option | 1                |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~275 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 | 1.79kg, 2.21kg        |

### 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-i3\_12-[RAM]-[SSD]-12\_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

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

Thinux = Thinux™ Embedded Linux

W\_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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