



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

4GB DDR4 RAM

256GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: H-I3_12-4-M256-12_5-M-THINUX-0



Unleash Unrivalled Power: The Thinvent Neo H Mini PC.

Experience the High Performance version of our bestselling Neo model. The Thinvent® Neo H Mini PC is an industrial workhorse, our largest product, featuring powerful CPU and RAM configurations designed for industrial control and similar demanding applications. Proudly 100% designed and made in India with a solid steel build, this mini PC offers exceptional durability and reliability.

Exceptional Performance

- Driven by an Intel® Core™ i3-1215U processor with 6 cores, achieving speeds up to 4.4 GHz and a 10 MB cache, for seamless multitasking and rapid processing.
- Features 8GB DDR4 RAM and a swift 128GB SSD, ensuring quick boot-ups and responsive application handling.

Robust Connectivity

- Extensive I/O includes 2 USB 3.2 ports, 2 USB 2.0 ports, 1 HDMI, 1 VGA, 1 Gigabit Ethernet port, and dedicated speaker out and mic in jacks.
- Stay connected with integrated Dual Band Wi-Fi 5 (802.11ac) for reliable wireless networking.

Thinux™ Embedded Linux Advantage

- Comes pre-installed with Thinvent® Thinux™ Embedded Linux, offering a secure and versatile environment.

- Access popular browsers like Chromium and Mozilla Firefox.
- Benefit from comprehensive remote management with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Enjoy browser-based remote management.
- Supports Java, Python, and glibc based local applications.
- Includes LibreOffice, a PDF viewer, and a multimedia player with MPEG4 support.
- Facilitates SIP video and voice over IP communication.

Industrial Grade Durability

- Housed in a durable black steel enclosure with a power coating, built to withstand challenging environments.
- Compact dimensions: 210mm × 202mm × 80mm.
- Operates reliably between 0°C and 40°C, with 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO standards for quality and safety.
- Powered by a 12V 7A adapter, accepting a wide 100~275V AC input, with a 2-meter cable for flexible deployment.

This powerful and robust mini PC is your dependable solution for mission-critical operations.

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 | 4 GB |
| SSD Storage | 256 GB |

DISPLAY

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

AUDIO

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

CONNECTIVITY

| | |
|--------------|---|
| USB 3.2 | 2 |
| USB 2.0 | 2 |
| RS485 Option | 1 |

NETWORKING

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

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 | 1.69kg, 2.11kg |

OPERATING SYSTEM

| | |
|------------------|--|
| Operating System | Thinvent® Thinux™ Embedded Linux |
| OS Features | Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. 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 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB |
| Wireless | m = Dual Band WiFi X = No WiFi |
| OS | DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro 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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