



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinix Embedded Linux

DB9 Serial

SKU: H-I3_13-16-M512-12_5-M-THINUX-1S



Industrial Might, Compact Brilliance: The Thinvent® Neo H Mini PC

Introducing the Thinvent® Neo H, the high-performance version of our bestselling Neo model. This is our largest and most powerful Mini PC, a true industrial workhorse 100% designed and made in India with a solid steel build for uncompromising durability.

Unleashed Performance

- Experience raw processing power with the Intel® Core™ i3-1315U processor, featuring 6 cores and clocking up to 4.5 GHz with a 10 MB cache for demanding tasks.
- Multitask effortlessly with 8GB DDR4 RAM.
- Enjoy lightning-fast boot times and application loading from the reliable 32GB MLC SSD.

Versatile Connectivity

- This industrial workhorse offers a host of connectivity options.
- Visuals: Connect to displays via HDMI and VGA ports.
- Audio: Dedicated Speaker Out and Mic In.
- USB: Four USB ports (2x USB 3.2, 2x USB 2.0) for peripherals.
- Networking: Stay connected with Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless.
- Industrial Integration: A vital DB9 male RS232 serial port makes it ideal for industrial control and specialized applications.

Thinvent® Thinix™ Embedded Linux

- Powered by our secure and robust Thinvent® Thinix™ Embedded Linux operating system.
- Enjoy secure remote access with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Benefit from browser-based remote management and VNC shadowing for seamless administration.
- Supports Java, Python, and glibc based application development.
- Includes essential tools like Chromium and Mozilla Firefox browsers, LibreOffice, PDF viewer, multimedia player with MPEG4 support, and SIP video/voice over IP capabilities.

Engineered for Endurance

- Housed in a durable, power-coated black steel chassis (210mm x 202mm x 80mm).
- Designed to operate reliably in challenging environments (0°C ~ 40°C, 20% ~ 80% RH non-condensing).
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input range for global compatibility.

Thinvent Neo H Mini PC



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1315U |
| Cores | 6 |
| Max Frequency | 4.5 GHz |
| Cache | 10 MB |
| Main Memory | 16 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 |

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 | 1.62kg, 2.04kg |

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_13-[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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