

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

Thinix Embedded Linux

SKU: H-I3_12-16-M1024-12_5-X-THINUX-0



Unleash Industrial Power: The Neo H Mini PC for Unyielding Performance.

Introducing the Thinvent® Neo H Mini PC: the High Performance evolution of our bestselling Neo series. This robust, industrial workhorse is 100% designed and made in India, engineered with a solid steel chassis for unparalleled durability in the most demanding environments. With powerful CPU and RAM configurations, it is our most capable offering in the Neo range.

Unrivaled Processing Power

Experience seamless operation with the Intel® Core™ i3-1215U processor, featuring 6 cores, a blistering 4.4 GHz max frequency, and a generous 10 MB cache. Paired with 4GB DDR4 RAM and a rapid 128GB SSD, the Neo H delivers quick boot-ups and responsive application handling, making it perfect for industrial control and similar applications.

Comprehensive Connectivity

Connect effortlessly with a host of options including

- 1 HDMI port
- 1 VGA port
- 2 USB 3.2 ports
- 2 USB 2.0 ports
- 1000 Mbps Ethernet for reliable, high-speed wired networking (Note: No WiFi for enhanced security in sensitive setups)

- Dedicated Speaker Out and Mic In for complete audio integration.

Thinvent® Thinix™ Embedded Linux

Powering your operations with Thinvent® Thinix™, a secure, robust, and versatile embedded Linux OS. Enjoy

- Chromium and Mozilla Firefox for web browsing
- RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH for secure remote display
- Browser-based remote management and VNC shadowing
- Support for Java, Python, and glibc based location applications
- LibreOffice, PDF viewer, multimedia player, and SIP video/voice over IP.

Built for Endurance

Designed for continuous operation, this unit boasts

- An operating temperature range of 0°C ~ 40°C
- 20% ~ 80% RH non-condensing operating humidity
- BIS, RoHS, and ISO certifications for peace of mind.

Its compact 210mm × 202mm × 80mm black, powder-coated steel housing ensures longevity and easy integration into any setup. Power it reliably with its 12V 7A adapter.





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 | 16 GB |
| SSD Storage | 1024 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 |
|----------|-----------|

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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