



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

8GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I3_13-8-M256-12_5-M-11V-0



Thinvent Neo H: Your Command Center for Demanding Environments.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse is our largest and most robust product yet, 100% designed and made in India, built to excel in industrial control and similar rigorous applications. Its solid steel housing with a powder-coated black finish ensures unmatched durability.

Unrivaled Performance

Powered by an Intel® Core™ i3-1315U processor with 6 cores, clocking up to 4.5 GHz and a 10 MB cache, the Neo H delivers exceptional processing power. Coupled with a massive 32GB DDR4 RAM and a lightning-fast 512GB SSD, it handles complex tasks, data-intensive operations, and multi-application environments with seamless efficiency and rapid responsiveness.

Robust Connectivity & OS

Equipped for any challenge, the Neo H features comprehensive I/O options including 1 HDMI, 1 VGA, 2 USB 3.2 ports, 2 USB 2.0 ports, gigabit Ethernet, Speaker Out, and Mic In. Stay connected with reliable dual-band Wi-Fi 5 (802.11ac). It runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering long-term stability and enhanced security for critical operations.

Industrial Grade Reliability

Designed for demanding environments, it operates from 0°C to 40°C with 20-80% non-condensing humidity. Its robust 12V 7A adapter supports a wide 100~275V AC input. Certified with BIS, RoHS, and ISO, the Thinvent Neo H guarantees quality and compliance.

Key Specifications

- Processor: Intel® Core™ i3-1315U (6 Cores, up to 4.5 GHz)
- Memory: 32GB DDR4 RAM
- Storage: 512GB SSD
- Dimensions: 210mm × 202mm × 80mm

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 | 8 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 |

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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

Ordering Information

| PRODUCT CODE | | | |
|---|--|---------------------|------------------------------------|
| H-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | | | |
| RAM | 4 = 4GB DDR4 | 8 = 8GB DDR4 | 16 = 16GB DDR4 |
| | 64 = 64GB DDR4 | | 32 = 32GB 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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