



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I3_12-32-M1024-12_5-M-U-1S



Unleash Unrivaled Power: The Thinvent Neo H – Your Industrial Command Center.

Elevate your operations with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our most robust and largest offering, engineered as an industrial workhorse, the Neo H is purpose-built for demanding industrial control and similar critical applications. Proudly 100% designed and made in India, its solid steel construction guarantees durability and reliability where it matters most.

Unmatched Performance

- Experience lightning-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores and a blazing 4.4 GHz max frequency, backed by a 10 MB cache for seamless multitasking.
- Tackle the most intensive workloads effortlessly with a staggering 32GB DDR4 RAM.
- Boot up instantly and access files in a flash on the spacious 1TB SSD.
- Operate with stability and security thanks to pre-installed Ubuntu Linux 24.04 LTS.

Connectivity for Every Need

- Integrate seamlessly with existing setups using comprehensive I/O: 2x USB 3.2, 2x USB 2.0, 1x HDMI, 1x VGA, and a crucial DB9 male RS232 serial port for legacy industrial equipment.
- Stay connected with reliable dual-band Wi-Fi 5 (802.11ac) and a rapid 1000 Mbps Ethernet port.

Built to Endure

- Housed in a durable, powder-coated black steel chassis, designed for resilience in challenging environments.
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Operates reliably across temperatures from 0°C to 40°C and humidity levels of 20% to 80% RH.

The Thinvent Neo H Mini PC delivers powerful computing in a compact, resilient package, ready to drive your most critical systems.

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 | 32 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 |
| 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 | 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

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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