



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

256GB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I3_12-16-M256-12_5-X-W_OS-1S



Thinvent Neo H: The Industrial Powerhouse for Demanding Operations

Experience uncompromising performance and rock-solid reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest and most robust offering, this 100% designed and made in India industrial workhorse delivers powerful CPU and RAM configurations engineered for critical applications like industrial control.

Unrivaled Performance

At its heart lies the Intel® Core™ i3-1215U processor, boasting 6 cores and a max frequency of 4.4 GHz with a 10 MB cache, ensuring swift, efficient processing. Paired with 16GB DDR4 RAM, the Neo H handles intensive multitasking with ease, while the 128GB SSD provides lightning-fast boot-ups and application loads.

Industrial-Grade Connectivity and Durability

The Neo H is built for the factory floor, not just the office. Its solid steel housing with a powder-coated black finish ensures extreme durability.

- Essential industrial connectivity includes a crucial DB9 male RS232 serial port for legacy and control systems.
- Dual display options with HDMI and VGA ports.
- Four USB ports (2x USB 3.2, 2x USB 2.0) for versatile peripheral support.
- A reliable 1000 Mbps Ethernet connection for stable networking, intentionally omitting WiFi for enhanced security and interference-free operation in sensitive environments.
- Audio input/output with Mic In and Speaker Out ports.

Operating flawlessly from 0°C to 40°C, this system is powered by a robust 12V 7A adapter with a wide 100~275V AC input range, built to endure. Certified with BIS, RoHS, and ISO, the Neo H signifies uncompromising quality. Provided without an operating system, it offers the flexibility to deploy your preferred OS on a compact 210mm x 202mm x 80mm footprint.



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 | 256 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 |
|----------|-----------|

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 | Without OS |
|------------------|------------|

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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