



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

512GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I5_14-64-M512-12_5-M-U-1S



Thinvent Neo H: Unrivaled Power for Industrial Command.

Meet the Thinvent® Neo H, the high-performance evolution of our bestselling Neo series. This is our most robust and largest Mini PC, engineered as an industrial workhorse to tackle your most demanding applications. Proudly 100% designed and made in India, its solid steel build ensures unwavering reliability in challenging environments.

Unleash exceptional processing power with the Intel® Core™ 5 120U processor

- 10 Cores: For seamless multitasking and heavy computational loads.
- Up to 5.0 GHz Max Frequency: Delivering lightning-fast responsiveness.
- 12 MB Cache: Optimizing data access for peak efficiency.

With a massive 32GB DDR4 RAM and a rapid 256GB SSD, the Neo H ensures swift boot times, instant application loading, and smooth operation, even under pressure.

Connectivity for Critical Operations

- Dual HDMI and VGA: Support for multiple displays for comprehensive monitoring.

- 2x USB 3.0 and 2x USB 2.0: Ample high-speed peripheral connections.
- 1x DB9 Serial Port (RS232): Essential for legacy industrial control and automation.
- Gigabit Ethernet and Dual Band Wi-Fi 5: Reliable, high-speed networking options.
- Speaker Out and Mic In: Full audio capabilities.

Built for Durability

- Steel housing with Power Coating: Resists wear and tear in industrial settings.
- Wide Operating Temperature: From 0°C to 40°C, ensuring stability.
- Certifications: BIS, RoHS, ISO compliance guarantees quality and safety.

Operating System

- Ubuntu Linux 24.04 LTS: Providing a stable, secure, and open-source platform.

The Thinvent Neo H is the ultimate choice for industrial control, automation, and applications demanding maximum performance and unwavering reliability in a compact, powerful package.

Thinvent Neo H Mini PC



Specifications

PROCESSING

| | |
|-----------------|--------|
| Generation | 14th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 120U |
| Cores | 10 |
| Max Frequency | 5 GHz |
| Cache | 12 MB |
| Main Memory | 64 GB |
| SSD Storage | 512 GB |

DISPLAY

| | |
|------|---|
| HDMI | 2 |
| VGA | 1 |

AUDIO

| | |
|-------------|---|
| Speaker Out | 1 |
| Mic In | 1 |

CONNECTIVITY

| | |
|-------------|------------------|
| USB 3.0 | 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 | 1.33kg, 1.75kg |

OPERATING SYSTEM

| | |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

Ordering Information

| PRODUCT CODE | | | |
|---------------------------------------------------------------|----------------------------------------|---------------------|------------------------------------|
| H-i5_14-[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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