

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I5_14-16-M512-12_5-M-11P-1S



Unleash Industrial Power: The Neo H Mini PC Redefines Performance.

Experience the high-performance evolution of our bestselling Neo series with the Thinvent® Neo H Mini PC. Engineered as an industrial workhorse, this powerhouse boasts our largest CPU and RAM configurations, designed to excel in demanding industrial control and similar applications. 100% designed and made in India with a solid steel build, it offers uncompromising durability.

Key Performance

- At its core lies an Intel® Core™ 5 120U processor with 10 cores and speeds up to 5.0 GHz, supported by a 12 MB cache for unparalleled processing power.
- Effortless multitasking and handling of heavy workloads are guaranteed with a substantial 32GB DDR4 RAM.
- Enjoy lightning-fast responsiveness and rapid application loading thanks to the 256GB SSD.

Unrivalled Connectivity

- A host of connectivity options include 2 HDMI and 1 VGA ports for versatile display setups.

- Integrate effortlessly with industrial systems via the dedicated DB9 serial port.
- Benefit from dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet for robust network access.
- Extensive peripheral support with 2 USB 3.0 and 2 USB 2.0 ports, plus Speaker Out and Mic In.

Built for Reliability

- Housed in a robust 210mm × 202mm × 80mm black powder-coated steel chassis, it's built to withstand challenging environments.
- Operates reliably from 0°C to 40°C, ensuring consistent performance.
- Pre-installed with Windows 11 Pro for enhanced security and productivity.
- Certified with BIS, RoHS, and ISO standards for assured quality.

This is a powerful, compact solution for your most critical operations.

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 | 16 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 | Microsoft Windows 11 Pro |
|------------------|--------------------------|

Ordering Information

| PRODUCT CODE | | | |
|---|---|---------------------|--|
| H-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | | | |
| RAM | 4 = 4GB DDR4 64 = 64GB DDR4 | 8 = 8GB DDR4 | 16 = 16GB DDR4 32 = 32GB DDR4 |
| SSD | m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB | | m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB |
| Wireless | m = Dual Band WiFi | | X = No WiFi |
| OS | DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux | | W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux |
| Accessories | 0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse | | KM = Keyboard and Mouse set MK = Mechanical Keyboard |

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