



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-I5_14-16-M1024-12_5-M-U-0



Unleash unparalleled power in a compact, industrial-grade design.

Introducing the Thinvent® Neo H Mini PC, the High Performance evolution of our bestselling Neo model. This industrial workhorse is our largest and most robust offering, engineered to dominate demanding applications from industrial control to complex data processing. Experience blazing speed and seamless multitasking with the Intel® Core™ 5 120U processor, featuring

- 10 cores for exceptional parallel processing
- Up to 5.0 GHz max frequency for turbo-charged performance
- A generous 12 MB cache for rapid data access

Power and Performance

Equipped with 16GB DDR4 RAM and a rapid 256GB SSD, the Neo H ensures instant responsiveness and efficient operation, even under heavy loads. Its pre-installed Ubuntu Linux 24.04 LTS provides a stable, secure, and open-source foundation for your critical operations.

Connectivity and Durability

Designed for maximum versatility, this mini PC boasts a comprehensive suite of ports

- Dual HDMI and a VGA port for flexible display setups
- Four USB ports (two USB 3.0, two USB 2.0) for extensive peripheral support
- Gigabit Ethernet and dual-band Wi-Fi 5 for reliable, high-speed networking
- Speaker Out and Mic In for audio integration

Built with a solid steel housing and powder-coated black finish, the Neo H is a testament to durability, operating reliably from 0°C to 40°C. Proudly 100% designed and made in India, and certified with BIS, RoHS, and ISO, it represents peak performance and unwavering reliability for your toughest challenges.

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 | 1024 GB |

DISPLAY

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

AUDIO

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

CONNECTIVITY

| | |
|---------|---|
| USB 3.0 | 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 | 1.33kg, 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 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 Thinux = Thinux™ 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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