



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I5_14-4-M128-12_5-M-11V-0



Thinvent Neo H: The Industrial Powerhouse, Engineered for Excellence.

Experience unmatched performance with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse, our largest Neo model, is engineered in India for demanding applications like industrial control, offering robust power and unwavering reliability in a compact, solid steel chassis.

Performance Beyond Limits

Unleash exceptional speed and efficiency with the Intel® Core™ 5 12U processor, boasting 10 cores and clocking up to 5.0 GHz with a generous 12 MB cache. Coupled with 4GB DDR4 RAM and a swift 128GB SSD, the Neo H delivers rapid boot-ups, seamless multitasking, and responsive operation for critical industrial tasks.

Comprehensive Connectivity

- Dual HDMI and a VGA port provide versatile multi-display support for monitoring and control systems.
- 2 USB 3.0 and 2 USB 2.0 ports for diverse peripheral connections.

- Gigabit Ethernet ensures high-speed wired networking.
- Dual Band Wi-Fi 5 (802.11ac) offers reliable wireless connectivity.
- Speaker Out and Mic In for complete audio integration.

Built to Endure

- Durable steel housing with a sleek black powder coating ensures longevity in harsh environments.
- Designed to operate from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO standards for unwavering quality and safety.
- Pre-installed with Windows 11 IoT Enterprise LTSC 2024 Value for long-term stability, security, and enterprise-grade manageability.

The Thinvent Neo H is not just a mini PC; it's a testament to powerful, reliable, and proudly Indian engineering, ready to elevate your industrial 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 | 4 GB |
| SSD Storage | 128 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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

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 |

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
#11 Sports Complex
Salvador Do Mundo
North Goa - 403101, India

Sales
UGF-10-A Omaxe Gurgaon Mall
Sector 49, Sohna Road
Gurgaon - 122018, India

