

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

256GB SSD

No WiFi

DOS

SKU: H-I5_14-32-M256-12_5-X-DOS-0



Unleash Industrial Power: The Thinvent® Neo H Mini PC.

Introduction

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo line. This robust, 100% India-designed and manufactured industrial workhorse is engineered to dominate demanding applications, providing unmatched reliability and speed where it matters most.

Performance That Drives Productivity

- At its core lies the formidable Intel® Core™ 5 120U processor, boasting 10 cores and reaching speeds up to 5.0 GHz with a generous 12 MB cache for exceptional processing power.
- Coupled with a swift 16GB DDR4 RAM, the Neo H handles intensive tasks effortlessly, ensuring seamless operation for critical industrial control and similar environments.
- Experience lightning-fast boot-ups and application loading thanks to the responsive 128GB SSD.

Unrivaled Connectivity and Durability

- The Neo H is built for versatility, offering a comprehensive suite of connectivity options including two HDMI ports, one VGA, two USB 3.0, two USB 2.0, dedicated Speaker Out and Mic In ports, and a Gigabit Ethernet port for stable, high-speed wired network access.
- Its solid steel housing, finished with a durable powder coating, ensures longevity and resilience in challenging operating conditions (0°C to 40°C temperature, 20-80% RH humidity).
- This industrial-grade design is further solidified by BIS, RoHS, and ISO certifications, guaranteeing quality and compliance.
- Powered by a robust 12V 7A adapter, it ensures reliable operation. Running on FreeDOS, it provides a lean, controlled environment perfect for dedicated industrial applications.

Compact Powerhouse

- Despite its immense power and robust build, this largest Neo product maintains a compact footprint of 210mm × 202mm × 80mm, suitable for seamless integration into diverse setups.



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 | 32 GB |
| SSD Storage | 256 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 |
|----------|-----------|

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 | FreeDOS |
|------------------|---------|

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 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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