

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM

256GB SSD

No WiFi

DOS

SKU: H-I3_12-64-S256-12_5-X-DOS-0



Unleash Industrial Power with the Thinvent Neo H Mini PC.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This is our largest, most robust model, engineered as a true industrial workhorse, 100% designed and made in India. Ideal for industrial control and similar demanding applications, it combines power with unwavering reliability.

Unrivalled Performance

- Power through demanding tasks with the Intel® Core™ i3-1215U processor, featuring 6 cores and burst frequencies up to 4.4 GHz, backed by a generous 10 MB cache.
- Seamless multitasking is ensured with 8GB DDR4 RAM.
- Experience rapid boot times and reliable operation from the 32GB MLC SSD.

Built for the Toughest Environments

- The solid steel housing with a durable power coating provides exceptional durability and a sleek black finish.

- Operates reliably across temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non-condensing.
- Stable power input (100~275V AC, 50~60 Hz, 1.5 Amps max) with a 2-meter cable ensures consistent operation.

Extensive Connectivity

- Connect all your peripherals with 2x USB 3.2 and 2x USB 2.0 ports.
- Versatile display options include 1x HDMI and 1x VGA.
- Essential audio I/O with Speaker Out and Mic In.
- Achieve ultra-stable networking with 1000 Mbps Ethernet.

Quality and Compliance

- Certified with BIS, RoHS, and ISO, guaranteeing quality and environmental responsibility.
- Comes with FreeDOS, offering flexibility for your specific industrial OS or software needs.
- Compact dimensions: 210mm × 202mm × 80mm.



Thinvent Neo H Mini PC



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1215U |
| Cores | 6 |
| Max Frequency | 4.4 GHz |
| Cache | 10 MB |
| Main Memory | 64 GB |
| SSD Storage | 256 GB |

DISPLAY

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

AUDIO

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

CONNECTIVITY

| | |
|--------------|---|
| USB 3.2 | 2 |
| USB 2.0 | 2 |
| RS485 Option | 1 |

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 | 1.69kg, 2.11kg |

OPERATING SYSTEM

| | |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

Ordering Information

| PRODUCT CODE | |
|---|--|
| H-i3_12-[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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