

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

SKU: H-I3_12-64-M512-12_5-M-DOS-0



Unleash Unrivaled Performance: The Industrial Powerhouse, Made for India.

Experience the pinnacle of industrial computing with the Thinvent® Neo H Mini PC. As the high-performance evolution of our bestselling Neo model and our largest product yet, featuring powerful CPU and RAM configurations, this robust system is engineered for demanding applications, embodying power, reliability, and precision. 100% designed and made in India, the Neo H is built to perform.

Performance Powerhouse

Driven by an Intel® Core™ i3-1215U processor with 6 cores and a max frequency of 4.4 GHz, complemented by a substantial 10 MB cache, the Neo H delivers exceptional processing power.

- Six core CPU for superior multi-tasking and demanding workloads
- Blazing fast 4.4 GHz max frequency for rapid execution
- 16GB DDR4 RAM ensures seamless operation even with heavy applications
- Ultra-responsive 32GB MLC SSD for quick boot times and data access

Industrial Strength & Connectivity

The Neo H features a solid steel housing with a durable black powder coating, engineered for resilience in challenging environments.

- Robust steel construction for maximum durability
- Wide operating temperature (0°C ~ 40°C) and humidity range (20% ~ 80% RH, non condensing)
- Certified with BIS, RoHS, and ISO standards for quality and safety
- Compact dimensions (210mm × 202mm × 80mm) for versatile deployment

Connectivity Options

Equipped with a comprehensive suite of ports, this industrial workhorse offers unparalleled versatility for your applications, from industrial control to data acquisition.

- Visual Outputs: 1 HDMI, 1 VGA
- Audio Interface: 1 Speaker Out, 1 Mic In
- High-Speed USB: 2 USB 3.2, 2 USB 2.0
- Network Connectivity: Gigabit Ethernet (1000 Mbps), Dual Band Wi-Fi 5 (802.11ac)
- Flexible Power: 12V 7A DC adapter with wide 100~275V AC input

Operating System

- Pre-installed with FreeDOS for ultimate flexibility and customization.

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 | 512 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 |
| 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 | 1.69kg, 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 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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