



Thinvent Neo H Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

1TB SSD

No WiFi

DOS

DB9 Serial

SKU: H-I7_12L-32-M1024-12_5-X-DOS-1S



Unleash formidable industrial computing power, built to last.

The High-Performance Neo H: Engineered for the most demanding control environments, this is our pinnacle of industrial-grade computing. It delivers relentless processing muscle for complex automation, machine vision, and real-time monitoring tasks without breaking a sweat.

Built for relentless duty

- Experience robust performance for critical industrial control systems and harsh environments.
- Rely on extensive legacy and modern connectivity to interface seamlessly with a vast array of machinery and instrumentation.
- Benefit from a solid, steel-built chassis designed for 24/7 reliability and durability on the factory floor.

- Support domestic innovation with a system that is 100% designed and made in India, ensuring quality and supply chain resilience.

Where it excels

- Industrial automation and process control systems.
- Digital signage and kiosks in demanding public or commercial spaces.
- As a dedicated controller for manufacturing, packaging, or assembly lines.
- Any application requiring a dependable, powerful, and connectable industrial workhorse.

Choose the Neo H Mini PC for where uncompromising power meets unshakeable industrial toughness. It's not just a computer; it's the robust heart of your most critical operations.



Thinvent Neo H Mini PC



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i7 |
| Processor Brand | Intel |
| Processor Model | 1255U |
| Cores | 10 |
| Max Frequency | 4.7 GHz |
| Cache | 12 MB |
| Main Memory | 32 GB |
| SSD Storage | 1024 GB |

DISPLAY

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

AUDIO

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

CONNECTIVITY

| | |
|--------------|------------------|
| USB 3.2 | 2 |
| Serial Port | 1 DB9 male RS232 |
| RS485 Option | 1 |

NETWORKING

| | |
|----------------|-----------|
| Ethernet | 1000 Mbps |
| Ethernet Ports | 2 |

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 | 1.73kg, 2.14kg |

OPERATING SYSTEM

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

Ordering Information

| PRODUCT CODE | |
|--|--|
| H-i7_12l-[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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