



Thinvent Neo H Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM

512GB SSD

No WiFi

Ubuntu Linux

Thinvent Keyboard and Mouse set

SKU: H-I7_12L-64-M512-12_5-X-U-KM



Powerful performance, built for demanding environments.

Introducing the Thinvent® Neo H Mini PC

For the most challenging industrial tasks, you need a reliable workhorse. The Neo H is our high-performance powerhouse, engineered in India to excel where it counts. With a robust solid steel build, it delivers unwavering reliability on the factory floor, in control rooms, and beyond.

Why choose the Neo H?

- Experience formidable processing power that effortlessly handles complex industrial control, automation, and monitoring applications without breaking a sweat.
- Rely on exceptional stability and dual Ethernet connectivity for seamless integration into your critical operational networks and systems.

- Benefit from a versatile array of ports, making it simple to connect to a wide range of displays, peripherals, and legacy equipment.
- Deploy with complete confidence thanks to its rugged, powder-coated steel housing, designed to withstand the rigours of 24/7 industrial use.
- Get started immediately with a clean, secure Ubuntu Linux operating system and a full keyboard and mouse set included.

Built tough and engineered for purpose, the Neo H is the robust computing core your industrial operations deserve.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i7 |
| Processor Brand | Intel |
| Processor Model | 1255U |
| Cores | 10 |
| Max Frequency | 4.7 GHz |
| Cache | 12 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 |
| 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 | 2.24kg, 2.66kg |

ACCESSORIES

| | |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

OPERATING SYSTEM

| | |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

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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