# Thinvent Neo H Mini PC

## AMD Ryzen 5 7430U processor

### 6 core, up to 4.3 GHz, 16 MB cache

## 16GB DDR4 RAM (2 x 8GB)

## 32GB SSD + 32 GB MLC SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: H-R5_7-8_8-M32_S32-19_7-M-U-0




Unleash industrial performance in a compact powerhouse.

**Built for the toughest tasks**

- Drive demanding industrial control systems with the raw multi-core power of a high-performance AMD processor, handling data logging, automation scripts and real-time monitoring without breaking a sweat.
- Run multiple applications simultaneously – from SCADA interfaces to edge analytics – thanks to a configuration that delivers smooth, responsive operation day in, day out.
- Trust a system engineered for continuous duty in factory floors, workshops and remote installations, where downtime is not an option.

**Designed and made in India**

- Rely on a 100% domestically engineered mini PC, built with a solid steel housing that withstands vibration, dust and everyday knocks.
- Choose a product that combines local manufacturing excellence with global component quality, ensuring consistent performance and easy support.

**Connectivity that keeps you in control**

- Connect legacy equipment and modern peripherals alike, with a versatile array of ports including VGA, HDMI, USB and gigabit Ethernet – perfect for integrating into existing industrial networks.
- Operate wirelessly with dual-band WiFi, giving you freedom to place this workhorse wherever it is needed most, without trailing cables.
- Enjoy out-of-the-box readiness with Ubuntu Linux 24.04 LTS – a stable, secure foundation that reduces setup time and simplifies maintenance.

From process control to data acquisition, the Thinvent Neo H is the industrial workhorse you can count on, backed by robust build quality and a powerful CPU that meets the demands of your most critical applications.



# Thinvent Neo H Mini PC

## Specifications

### PROCESSING

| | |
|---|---|
| Generation | 7000 Series |
| Series | Ryzen 5 |
| Processor Brand | AMD |
| Processor Model | 7430U |
| Cores | 6 |
| Max Frequency | 4.3 GHz |
| Cache | 16 MB |
| Main Memory | 16 GB |
| SSD Storage | 32 GB |
| Secondary SSD Storage | 32 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

| | |
|---|---|
| USB 3.2 Gen 1 | 2 |
| USB 2.0 | 2 |

### NETWORKING

| | |
|---|---|
| Ethernet | 1000 Mbps |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

| | |
|---|---|
| DC Voltage | 19 Volts |
| DC Current | 7 Amps |
| Power Input | 100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 1.5 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 | 181.5mm × 199.5mm × 72mm |
| Packing Dimensions | 340mm × 235mm × 105mm |
| Housing Material | Steel base, aluminium cover |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 0.91kg, 1.32kg |

### OPERATING SYSTEM

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

# Thinvent Neo H Mini PC

## Ordering Information

PRODUCT CODE

`H-r5_7-[RAM]-[SSD]-19_7-[Wireless]-[OS]-[Accessories]`

| | | | | |
|---|---|---|---|---|
| RAM | **4** = 4GB DDR4 | **8** = 8GB DDR4 | **16** = 16GB DDR4 | **32** = 32GB DDR4 |
| | **32_32** = 64GB DDR4 RAM (2 x 32GB) | **16_16** = 32GB DDR4 RAM (2 x 16GB) | **8_8** = 16GB DDR4 RAM (2 x 8GB) | |
| SSD | **m128** = 128GB | | **m256** = 256GB | |
| | **m512** = 512GB | | **m1024** = 1TB | |
| | **m2048** = 2TB | | **S32** = 32GB MLC | |
| | **S128** = 128GB | | **S256** = 256GB | |
| | **m128_S128** = Dual 128GB | | **m128_S32** = 128GB SSD + 32 GB MLC | |
| | **S128_S32** = 128GB SSD + 32 GB MLC | | **S128_S128** = 128GB SSD + 128 GB MLC | |
| | **m32_S32** = 32GB SSD + 32 GB MLC | | **S32_S32** = 32GB MLC SSD + 32 GB MLC | |
| | **h1024** = 1TB HDD | | **n512_h1024** = 512GB NVMe SSD + 1TB HDD | |
| | **n1024_h1024** = 1TB NVMe SSD + 1TB HDD | | | |
| Wireless | **m** = Dual Band WiFi | | **X** = No WiFi | |
| OS | **DOS** = DOS | | **W_OS** = Without OS | |
| | **11V** = Windows 11 IoT Value | | **11P** = Windows 11 Pro | |
| | **11O** = Windows 11 Professional | | **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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