



## Thinvent Neo H Mini PC

### AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

**16GB DDR4 RAM**

**32GB MLC SSD**

**No WiFi**

**Windows 11 Pro**

SKU: H-R5\_7-16-S32-19\_3-X-11P-0



Unleash industrial-grade power in a compact, battle-ready chassis.

### Built for the toughest jobs, not the desktop

The Thinvent Neo H Mini PC is the high-performance flagship of our bestselling Neo series, engineered to handle relentless industrial control, automation, and edge computing tasks. This is no ordinary mini computer – it's a purpose-built workhorse that thrives on the factory floor, in control cabinets, and at critical data collection points.

Why settle for less? The Neo H combines a powerful 6-core AMD Ryzen 5 processor with a robust complement of memory and storage to run demanding HMI software, data logging, and machine monitoring without breaking a sweat. With a solid, powder-coated steel housing and a wide operating temperature range, it shrugs off vibration, dust, and heat that would sideline a consumer PC.

Connectivity is king here. You get dual Ethernet, multiple USB ports, plus HDMI and VGA outputs to drive legacy and modern displays simultaneously. Whether you're replacing an old panel PC or building a new SCADA station, the Neo H slots right in – no adapters, no fuss.

Every unit is 100% designed and made in India, built to industrial standards with BIS, RoHS, and ISO certifications. It's the kind of reliability you can count on for years of continuous operation, backed by Thinvent's commitment to quality and local support.

Don't spec a fragile consumer machine where only an industrial mini PC will do. Choose the Neo H – the rugged, powerful heart of your next automation project.



# 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       |

### 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 |
|----------|-----------|

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 19 Volts                                     |
| DC Current   | 3 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 | 1.27kg, 1.69kg        |

### OPERATING SYSTEM

|                  |                          |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

## PRODUCT CODE

H-r5\_7-[RAM]-[SSD]-19\_3-[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

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

Thinux = Thinux™ Embedded Linux

W\_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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