



Thinvent Neo H Mini PC

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: H-R5_7-32_32-M512-19_3-X-11V-KM



Uncompromising power for the toughest industrial tasks.

Built for the factory floor

- The Thinvent® Neo H Mini PC is the high-performance sibling of our bestselling Neo series, engineered to handle the most demanding industrial control applications without breaking a sweat.
- Its powerful processor and ample memory configurations turn data-heavy tasks into seamless routines, from real-time monitoring to complex automation sequences.
- A wealth of connectivity options means you can plug into existing machinery, sensors, and networks with ease – no adapters, no fuss.

Designed to last

- Housed in a solid steel chassis with a durable powder-coated finish, this mini PC shrugs off vibration, dust, and the rigours of a busy production environment.

- Every unit is 100% designed and made in India, ensuring rigorous quality control and local support that keeps your operations running.

Why choose the Neo H

- It is an industrial workhorse that delivers desktop-class responsiveness in a compact, space-saving footprint – ideal for cramped control cabinets or kiosk deployments.
- The included Windows 11 IoT Enterprise LTSC operating system provides a stable, long-term platform you can trust.
- With a full suite of I/O ports – including HDMI, VGA, USB, and Gigabit Ethernet – you can connect legacy and modern equipment side by side, simplifying your upgrade path.

For engineers and system integrators who demand reliability, performance, and no-compromise build quality, the Thinvent® Neo H is the clear choice.



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	64 GB
SSD Storage	512 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
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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	1.79kg, 2.21kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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