



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)

128GB SSD

No WiFi

Windows 11 IoT Value

SKU: H-R5_7-32_32-S128-19_3-X-11V-0



Power through your toughest industrial tasks with the Thinvent Neo H – the workhorse that never lets you down.

Built for demanding environments where reliability is everything.

Purpose-built for industrial control and automation

- Handles complex control logic and data processing without breaking a sweat, thanks to the powerful AMD Ryzen 5 processor
- Seamlessly connects to legacy and modern equipment with a full suite of ports – HDMI, VGA, USB, and gigabit Ethernet
- Runs continuously in harsh conditions on the factory floor or in the control room, housed in a solid steel chassis that shrugs off knocks and vibration
- Pre-loaded with Windows 11 IoT Enterprise LTSC 2024 for a stable, long-life platform with no forced updates – perfect for 24/7 operation

- It is the high-performance flagship of our bestselling Neo family, offering maximum processing power and memory capacity for the most demanding applications
- Designed, engineered, and manufactured entirely in India – quality you can trust, with local support and rapid availability
- Powder-coated steel build means it stands up to dust, debris, and accidental impacts in workshop or factory settings
- Rock-solid 12V DC power input ensures consistent operation even in fluctuating mains environments

Whether you are upgrading an existing control system or building a new automation line, the Neo H delivers the muscle and durability you need – without the bulk. It is the industrial mini PC that keeps your operations running smoothly, day in and day out.

Why choose the Neo H over any other mini PC



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	128 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	1.27kg, 1.69kg

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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