



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)

256GB SSD

No WiFi

Windows 11 Pro

SKU: H-R5_7-8_8-S256-19_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	256 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 Pro
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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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