Thinvent Neo H Mini PC

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

32GB DDR4 RAM (2 x 16GB)

256GB SSD

No WiFi

Windows 11 Professional

SKU: H-R5_7-16_16-M256-19_3-X-11O-0



Industrial power, built to endure.

Meet the Thinvent Neo H, the high-performance pinnacle of our bestselling Neo family. Purpose-built for the demands of industrial control and automation, this isn't just another mini PC – it's a dependable workhorse designed to keep your operations running smoothly, day in and day out.

Why choose the Neo H

- Unmatched processing muscle for complex tasks, from real-time monitoring to data acquisition.
- A rock-solid, powder-coated steel chassis that shrugs off the bumps, knocks, and vibrations of a busy factory floor.
- A comprehensive range of wired ports, giving you the flexibility to connect legacy machinery and modern peripherals with ease and confidence.
- Engineered to work in challenging environments, handling heat and humidity without breaking a sweat.
- Pre-installed with Windows 11 Professional, ensuring enterprise-grade security, seamless domain joining, and full compatibility with your existing business software.

Built for the real world

- For industrial control systems that need unwavering reliability, the Neo H delivers consistent, predictable performance.
- Perfect for edge computing, where processing power must sit close to the action for instant response times.
- Ideal for kiosks, digital signage, and other always-on deployments that demand a compact, long-lasting solution.
- A trusted choice for workshops and labs, where stable wired networking is non-negotiable.

Proudly 100% designed and made in India, the Neo H combines robust construction with powerful, efficient computing. When your operations can't afford downtime, the Neo H is the quiet, steadfast partner you can count on. It's not just a computer; it's the resilient core of your next 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	32 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

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	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	1.27kg, 1.69kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Professional

Thinvent Neo H Mini PC

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		**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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