



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)

2TB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-R5_7-8_8-M2048-19_3-M-11V-0



Power meets resilience in the smallest footprint

Built for the most demanding industrial environments, the Neo H Mini PC takes the proven reliability of our bestselling Neo series and amplifies every aspect. This is not just a computer; it is an industrial workhorse designed to keep your critical operations running smoothly, day in and day out.

Why choose the Neo H for your next project?

- Unmatched performance for complex tasks: With a powerful, multi-core processor and ample memory configuration, this machine handles industrial control, data logging, and automation software without breaking a sweat. Say goodbye to lag and hello to seamless multitasking.
- Robust connectivity for any setup: A comprehensive selection of ports, including dual USB 3.2, gigabit Ethernet, HDMI, VGA, and dual-band Wi-Fi, means you can connect legacy equipment and modern peripherals with ease. No extra adapters needed.

- Built to last in harsh conditions: The solid steel, powder-coated housing stands up to vibration, dust, and temperature swings. It's engineered for continuous 24/7 operation in factories, workshops, and control rooms.
- Designed and manufactured in India: Every Neo H is 100% engineered and assembled in India, ensuring strict quality control, local support, and a supply chain you can trust. It's a product made for reliable performance, backed by Thinvent's reputation.
- Space-saving industrial grade: Despite its enormous capability, the compact form factor slides into tight racks, behind displays, or inside control cabinets. Powerful computing doesn't have to take over your workspace.
- Ready to deploy out of the box: Pre-installed with a robust, long-term-servicing Windows operating system, the Neo H is ready for your application from the moment you power it on. Focus on your work, not on setup.

Drive your industrial automation with confidence. The Neo H Mini PC is the dependable partner your operations deserve.

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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	2048 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	m256 = 256GB	m1024 = 1TB	
	m512 = 512GB	S32 = 32GB MLC	S256 = 256GB	
Wireless	m2048 = 2TB			
	S128 = 128GB			
OS	m = Dual Band WiFi	X = No WiFi		
	DOS = DOS	W_OS = Without OS		
Accessories	11V = Windows 11 IoT Value	11P = Windows 11 Pro		
	110 = Windows 11 Professional	Thinix = Thinix™ Embedded Linux		
	U = Ubuntu Linux			
	0 = None	KM = Keyboard and Mouse set		
	1S = DB9 Serial	MK = Mechanical Keyboard		
	Mo = Wired Optical Scroll Mouse			

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