Thinvent Neo H Mini PC

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

4GB DDR4 RAM

1TB HDD

Dual Band WiFi

Without OS

SKU: H-R5_7-4-H1024-19_3-M-W_OS-0



Unleash industrial-grade performance in a compact powerhouse.

Built for the toughest industrial environments: the Thinvent Neo H Mini PC is the high-performance workhorse your operations demand. With a powerful six-core AMD processor, ample memory and fast solid-state storage, it handles demanding control tasks, data processing and automation with effortless ease. Its solid steel chassis shrugs off vibration, dust and knocks, making it an ideal choice for factory floors, machine control cabinets and 24/7 edge computing.

Connectivity is king with a generous array of ports: twin USB 3.2 Gen 1, two USB 2.0, HDMI and VGA outputs for dual displays, gigabit Ethernet and dual-band Wi-Fi. Perfect for digital signage, kiosk systems, and industrial IoT gateways where reliable wired and wireless connections are essential. The unit runs cool and quiet even under load, and its 12V DC power input ensures stable operation in unpredictable mains conditions.

Designed and built entirely in India, this mini PC offers a no-compromise solution for professionals who need a rock-solid platform without a large footprint. It ships without an operating system, giving you the freedom to install Windows, Linux or your preferred industrial OS – perfect for bespoke deployments. From production line monitoring to smart building control, the Neo H delivers the muscle and endurance to keep your business running.



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	4 GB
HDD Storage	1024 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	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	Without OS

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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	
	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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