Thinvent Neo H Mini PC

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

16GB DDR4 RAM

32GB SSD + 32 GB MLC SSD

No WiFi

Windows 11 IoT Value

SKU: H-R5_7-16-M32_S32-19_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

Why choose the Neo H over any other mini PC

- 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.



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	32 GB
Secondary SSD Storage	32 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 IoT Enterprise LTSC 2024 Value

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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