



Thinvent Neo H Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

16GB DDR5 RAM

1TB SSD

No WiFi

DOS

SKU: H-CU5_14L-16_5-M1024-12_7-X-DOS-0



Power your industrial vision with a compact powerhouse.

Introducing the Thinvent® Neo H Mini PC: the high-performance evolution of our bestselling Neo series. Engineered as a true industrial workhorse, it delivers robust computing muscle in a remarkably small, solid steel chassis, built for reliability in demanding environments.

Built for Demanding Applications

This isn't just a mini PC; it's a dedicated control centre. Its powerful processing capabilities and rugged construction make it the perfect core for industrial automation, digital signage, and machine control systems.

Unmatched Reliability and Connectivity

- Experience unwavering stability with a fanless design that thrives in harsh conditions, from factory floors to tight control cabinets.
- Connect everything you need with dual Ethernet ports and a comprehensive selection of legacy and modern I/O, ensuring seamless integration with your existing equipment.
- Benefit from exceptional durability thanks to its 100% Indian design and manufacture, featuring a solid steel, powder-coated housing built to last.

Choose the Neo H Mini PC for a resilient, powerful, and utterly dependable computing foundation that keeps your critical operations running smoothly, day in and day out.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	1024 GB

DISPLAY

HDMI 2.0	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	1.82kg, 2.24kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE				
H-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]				
RAM	8_5 = 8GB DDR5	16_5 = 16GB DDR5	32_5 = 32GB DDR5	32_32_5 = 64GB DDR5 RAM (2 x 32GB)
	16_16_5 = 32GB DDR5 RAM (2 x 16GB)	8_8_5 = 16GB DDR5 RAM (2 x 8GB)		
SSD	m128 = 128GB	m256 = 256GB	m1024 = 1TB	
	m512 = 512GB	S32 = 32GB MLC	S256 = 256GB	
	m2048 = 2TB			
	S128 = 128GB			
	h1024 = 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		
	110 = 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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