



Thinvent Neo H Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM

256GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: H-CU5_14L-32_5-M256-12_5-M-THINUX-0



Powerhouse performance meets industrial resilience.

Engineered for the toughest environments, the Thinvent Neo H Mini PC is your ultimate partner for demanding control and automation tasks. This isn't just a computer; it's a 100% Indian-designed and manufactured industrial workhorse built to deliver unwavering reliability where it matters most.

Built to Endure, Designed to Perform

- Experience robust, lag-free operation for complex industrial applications, from process control to sophisticated monitoring systems.
- Rely on a solid steel construction that shrugs off harsh conditions, ensuring continuous operation on your factory floor or in remote installations.

- Connect everything you need with versatile ports and dual LAN, creating a dependable hub for your entire network of devices.
- Simplify remote management and operation with integrated tools for secure access, display shadowing, and browser-based control.
- Deploy with confidence knowing it's powered by Thinux™, a stable embedded OS ready for custom applications and daily productivity.

Choose the industrial-grade mini PC that combines formidable power with legendary toughness. The Neo H is built to work.

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	32 GB
SSD Storage	256 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	5 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	1.73kg, 2.14kg

OPERATING SYSTEM

Operating System	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Ordering Information

PRODUCT CODE

H-cu5_14l-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]

RAM	8_5 = 8GB DDR5 16_5 = 16GB DDR5 32_5 = 32GB DDR5 32_5_32_5 = 64GB DDR5 RAM (2 x 32GB) 16_5_16_5 = 32GB DDR5 RAM (2 x 16GB)	16_5 = 16GB DDR5 32_5 = 32GB DDR5 32_5_32_5 = 64GB DDR5 RAM (2 x 32GB)	32_5 = 32GB DDR5 32_5_32_5 = 64GB DDR5 RAM (2 x 32GB)
SSD	m128 = 128GB m512 = 512GB S32 = 32GB MLC S256 = 256GB	m256 = 256GB m1024 = 1TB S128 = 128GB	
Wireless	m = Dual Band WiFi	X = No WiFi	
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux	W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux	
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse	KM = Keyboard and Mouse set MK = Mechanical Keyboard	

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