



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Thinix Embedded Linux

DB9 Serial

SKU: H-I5_14-16-M256-12_5-M-THINUX-1S



Unleash Unrivaled Performance: The Industrial Workhorse You've Been Waiting For.

Experience the pinnacle of industrial computing with the Thinvent® Neo H Mini PC. This high-performance evolution of our bestselling Neo model is engineered to be your most powerful ally, meticulously 100% designed and made in India for robust reliability. Built with a solid steel chassis and sleek powder-coated black finish, it's prepared for the toughest environments.

At its core, the Neo H boasts an Intel® Core™ 5 120U processor, delivering an incredible 10 cores and clocking up to 5.0 GHz with a 12 MB cache. This powerhouse CPU, combined with 16GB DDR4 RAM and a lightning-fast 256GB SSD, ensures seamless multitasking and rapid data processing for demanding industrial control and similar applications.

Connectivity Redefined

- Extend your workspace with dual HDMI and a VGA port.

- Link essential peripherals via 2x USB 3.0 and 2x USB 2.0 ports.
- Integrate legacy systems effortlessly with a dedicated DB9 RS232 serial port.
- Stay connected with gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).

Powered by our secure and versatile Thinvent® Thinix™ Embedded Linux, the Neo H offers an optimized experience right out of the box. Enjoy a full suite of features including Chromium and Firefox browsers, advanced remote display options with RDP 10 and SSH, browser-based remote management, VNC shadowing, and support for Java, Python, and glibc based applications. Complete with LibreOffice, a PDF viewer, and multimedia capabilities, this mini PC is ready for any challenge. Rated for 0°C to 40°C operation and BIS, RoHS, ISO certified, the Thinvent® Neo H Mini PC is the definition of a high-performance, industrial workhorse.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	256 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2
Serial Port	1 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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	1.33kg, 1.75kg

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-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]	
RAM	4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB
Wireless	m = Dual Band WiFi X = No WiFi
OS	DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinix = Thinix™ 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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