

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Thinix Embedded Linux

DB9 Serial

SKU: H-I5_14-16-M512-12_5-X-THINUX-1S



The Industrial Powerhouse: Built for Unyielding Performance.

Experience the pinnacle of embedded computing with the Thinvent® Neo H Mini PC. As the high-performance evolution of our bestselling Neo model, this is our largest product, meticulously engineered in India for demanding industrial control and similar applications. Its solid steel build ensures unparalleled durability, making it a true industrial workhorse.

Unrivalled Performance

- Powered by an Intel® Core™ 5 120U processor, featuring 10 cores with speeds up to 5.0 GHz and a 12 MB cache, for exceptional processing power.
- Multitask effortlessly with a substantial 32GB DDR4 RAM.
- Enjoy rapid boot-ups and application loading from a responsive 128GB SSD.

Robust Connectivity & OS

- Connect to legacy systems with a dedicated DB9 male RS232 serial port.
- Benefit from stable 1000 Mbps Ethernet, essential for secure industrial networks.
- Versatile display options include two HDMI and one VGA port.



- Four USB ports (2 x USB 3.0, 2 x USB 2.0) for peripheral integration.
- Runs Thinvent® Thinix™ Embedded Linux, a secure and efficient OS with Chromium, Mozilla Firefox, RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and browser-based remote management.
- Supports Java, Python, glibc based location applications, LibreOffice, PDF viewer, multimedia playback, and SIP video/voice over IP.

Designed for Reliability

- Solid steel housing with a durable power-coated black finish for extreme environments.
- Wide operating temperature (0°C ~ 40°C) and humidity tolerance.
- BIS, RoHS, and ISO certified for assured quality and compliance.
- Stable 12V 7A power adapter with a 2-meter cable and wide AC input (100~275V).

This 100% designed and made in India solution delivers the powerful CPU and RAM configurations needed for your most critical operations.

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	512 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
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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 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4 32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB		m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB
Wireless	m = Dual Band WiFi		X = No WiFi
OS	DOS = DOS 11V = Windows 11 IoT Value Thinux = Thinux™ 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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