



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

2TB SSD

Dual Band WiFi

Thinix Embedded Linux

SKU: H-I5_14-16-M2048-12_7-M-
THINUX-0



Unleash Industrial Power in a Compact Form.

Introducing the Thinvent® Neo H Mini PC

The High Performance evolution of our bestselling Neo series, this is our largest, most robust offering, engineered as an industrial workhorse for the most demanding applications. Proudly 100% designed and made in India, it embodies our commitment to quality and innovation.

Unmatched Performance

At its core, an Intel® Core™ 5 120U processor with 10 cores, bursting up to 5.0 GHz and backed by 12 MB cache, ensures blazing-fast processing. Paired with 16GB DDR4 RAM and a rapid 128GB SSD, the Neo H delivers unparalleled responsiveness and efficiency for critical tasks, making it ideal for industrial control and similar applications.

Robust Connectivity and Durability

Experience seamless integration with dual HDMI and VGA ports, multiple USB 3.0 and 2.0 connections, and gigabit Ethernet for wired reliability. Dual-band Wi-Fi 5 (802.11ac) ensures versatile wireless networking. Housed in a solid, black powder-coated steel chassis, this unit is built to withstand rigorous industrial environments (0°C to 40°C operating temperature), guaranteeing longevity and reliability.

Powerful Thinix™ OS

Empower your operations with Thinvent® Thinix™ Embedded Linux. This optimized OS features essential tools like Chromium and Mozilla Firefox, advanced remote access via RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing for seamless control. Benefit from Java, Python, and glibc based application support, LibreOffice, a PDF viewer, and multimedia playback with MPEG4. Integrated SIP video and voice over IP capabilities, alongside browser-based remote management, provide comprehensive functionality.

Certifications

- BIS
- RoHS
- ISO

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	2048 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	210mm × 202mm × 80mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.43kg, 1.84kg

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
SSD	m128 = 128GB	m256 = 256GB	m1024 = 1TB	
	m512 = 512GB	S32 = 32GB MLC	S256 = 256GB	
	m2048 = 2TB			
	S128 = 128GB			
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	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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