



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinix Embedded Linux

SKU: H-I5_14-32-M1024-12_5-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

Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	1024 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	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 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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