



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: H-I3_12-32_32-M512-12_7-M-THINUX-0



Unleash Unrivalled Power: The Thinvent Neo H Mini PC.

Experience the High Performance version of our bestselling Neo model. The Thinvent® Neo H Mini PC is an industrial workhorse, our largest product, featuring powerful CPU and RAM configurations designed for industrial control and similar demanding applications. Proudly 100% designed and made in India with a solid steel build, this mini PC offers exceptional durability and reliability.

Exceptional Performance

- Driven by an Intel® Core™ i3-1215U processor with 6 cores, achieving speeds up to 4.4 GHz and a 10 MB cache, for seamless multitasking and rapid processing.
- Features 8GB DDR4 RAM and a swift 128GB SSD, ensuring quick boot-ups and responsive application handling.

Robust Connectivity

- Extensive I/O includes 2 USB 3.2 ports, 2 USB 2.0 ports, 1 HDMI, 1 VGA, 1 Gigabit Ethernet port, and dedicated speaker out and mic in jacks.
- Stay connected with integrated Dual Band Wi-Fi 5 (802.11ac) for reliable wireless networking.

Thinux™ Embedded Linux Advantage

- Comes pre-installed with Thinvent® Thinux™ Embedded Linux, offering a secure and versatile environment.

- Access popular browsers like Chromium and Mozilla Firefox.
- Benefit from comprehensive remote management with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Enjoy browser-based remote management.
- Supports Java, Python, and glibc based local applications.
- Includes LibreOffice, a PDF viewer, and a multimedia player with MPEG4 support.
- Facilitates SIP video and voice over IP communication.

Industrial Grade Durability

- Housed in a durable black steel enclosure with a power coating, built to withstand challenging environments.
- Compact dimensions: 210mm × 202mm × 80mm.
- Operates reliably between 0°C and 40°C, with 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO standards for quality and safety.
- Powered by a 12V 7A adapter, accepting a wide 100~275V AC input, with a 2-meter cable for flexible deployment.

This powerful and robust mini PC is your dependable solution for mission-critical operations.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	64 GB
SSD Storage	512 GB

DISPLAY

HDMI	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
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	1.79kg, 2.21kg

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-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32_32 = 64GB
DDR4 RAM (2 x
32GB)16_16 = 32GB
DDR4 RAM (2 x
16GB)8_8 = 16GB DDR4
RAM (2 x 8GB)

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

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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