



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Thinix Embedded Linux

SKU: H-I3_13-32_32-M512-12_7-X-
THINUX-0



Unleash Industrial Power in a Compact Form.

Introducing the Thinvent® Neo H Mini PC: the high-performance evolution of our bestselling Neo model. This industrial workhorse, 100% designed and made in India, boasts a solid steel build for uncompromising durability, making it perfect for industrial control and similar demanding applications.

Powerful Performance

- Driven by an Intel® Core™ i3-1315U processor with 6 cores, up to 4.5 GHz, and a 10 MB cache for robust computing.
- 4GB DDR4 RAM ensures seamless multitasking even under heavy loads.
- A 32GB MLC SSD provides rapid, reliable, and durable storage for critical applications.

Extensive Connectivity

- Connect multiple displays with 1 HDMI and 1 VGA port.
- Expand your peripheral ecosystem with 2 USB 3.2 and 2 USB 2.0 ports.
- Experience high-speed, stable networking via 1000 Mbps Ethernet.
- Includes dedicated Speaker Out and Mic In for comprehensive audio support.

Thinvent® Thinix™ Embedded Linux Operating System



- Engineered for efficiency and advanced remote management capabilities.
- Comes with Chromium and Mozilla Firefox browsers for versatile web access.
- Facilitates seamless remote control through RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Features browser-based remote management to simplify administration.
- Offers broad application support including Java, Python, glibc, LibreOffice, and a PDF viewer.
- Supports multimedia playback with MPEG4 and integrates SIP video and voice over IP.

Built for Harsh Environments

- Housed in a durable, black powder-coated steel chassis, measuring 210mm x 202mm x 80mm.
- Reliably operates within a 0°C ~ 40°C temperature range and 20% ~ 80% RH (non-condensing) humidity.
- Certified with BIS, RoHS, and ISO, ensuring compliance and peace of mind.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input range.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 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

NETWORKING

Ethernet	1000 Mbps
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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	1.72kg, 2.14kg

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_13-[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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