



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

Dual Band WiFi

Thinux Embedded Linux

DB9 Serial

SKU: H-I3_13-32_32-M512-12_7-M-
THINUX-1S



Industrial Might, Compact Brilliance: The Thinvent® Neo H Mini PC

Introducing the Thinvent® Neo H, the high-performance version of our bestselling Neo model. This is our largest and most powerful Mini PC, a true industrial workhorse 100% designed and made in India with a solid steel build for uncompromising durability.

Unleashed Performance

- Experience raw processing power with the Intel® Core™ i3-1315U processor, featuring 6 cores and clocking up to 4.5 GHz with a 10 MB cache for demanding tasks.
- Multitask effortlessly with 8GB DDR4 RAM.
- Enjoy lightning-fast boot times and application loading from the reliable 32GB MLC SSD.

Versatile Connectivity

- This industrial workhorse offers a host of connectivity options.
- Visuals: Connect to displays via HDMI and VGA ports.
- Audio: Dedicated Speaker Out and Mic In.
- USB: Four USB ports (2x USB 3.2, 2x USB 2.0) for peripherals.
- Networking: Stay connected with Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless.
- Industrial Integration: A vital DB9 male RS232 serial port makes it ideal for industrial control and specialized applications.

Thinvent® Thinux™ Embedded Linux

- Powered by our secure and robust Thinvent® Thinux™ Embedded Linux operating system.
- Enjoy secure remote access with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Benefit from browser-based remote management and VNC shadowing for seamless administration.
- Supports Java, Python, and glibc based application development.
- Includes essential tools like Chromium and Mozilla Firefox browsers, LibreOffice, PDF viewer, multimedia player with MPEG4 support, and SIP video/voice over IP capabilities.

Engineered for Endurance

- Housed in a durable, power-coated black steel chassis (210mm x 202mm x 80mm).
- Designed to operate reliably in challenging environments (0°C ~ 40°C, 20% ~ 80% RH non-condensing).
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input range for global compatibility.

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
Serial Port	1 DB9 male RS232

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	1.72kg, 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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