



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: H-I3_13-16_16-M512-12_7-M-
THINUX-0



Unleash Industrial Power in a Compact Form: The Thinvent® Neo H Mini PC.

Experience the pinnacle of performance with the Thinvent® Neo H Mini PC, the High Performance version of our bestselling Neo model. This industrial workhorse, 100% designed and made in India, boasts a solid steel build, making it our largest and most robust product, perfect for industrial control and demanding applications.

Unrivalled Performance

Powered by an Intel® Core™ i3-1315U processor with 6 cores reaching up to 4.5 GHz and 10 MB cache, the Neo H delivers exceptional processing power. Coupled with 32GB DDR4 RAM and a lightning-fast 512GB SSD, it ensures seamless multitasking and rapid data access for critical operations.

Comprehensive Connectivity

Stay connected with versatile options

- Dual Band Wi-Fi 5 (802.11ac)
- Gigabit Ethernet (1000 Mbps)
- 2x USB 3.2 ports
- 2x USB 2.0 ports
- HDMI and VGA outputs for dual display support
- Speaker Out and Mic In

Secure & Smart Operating System

Run on Thinvent® Thinux™ Embedded Linux, tailored for efficiency and security

- Built-in Chromium and Mozilla Firefox browsers
- Advanced remote display with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH
- Browser-based remote management and VNC shadowing
- Support for Java, Python, and glibc based location applications
- LibreOffice and PDF viewer for productivity
- Multimedia player with MPEG4 support
- SIP video and voice over IP

Built for Durability

The Neo H features a robust black powder-coated steel housing, designed for resilience. It operates reliably in challenging environments (0°C ~ 40°C, 20% ~ 80% RH) and comes with BIS, RoHS, and ISO certifications, ensuring quality and safety. Its efficient 12V 7A adapter with a 2-metre cable and wide AC input range (100~275V) ensures stable power.

Compact & Powerful

With dimensions of 210mm × 202mm × 80mm, this mini PC packs maximum power into a minimal footprint.

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	32 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
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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