



Thinvent Neo H Mini PC

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Thinux Embedded Linux

DB9 Serial

SKU: H-I5_13-32_32-M512-12_7-X-
THINUX-1S



Unleash industrial power in a compact form: The Thinvent® Neo H Mini PC.

Product Overview

Experience unparalleled performance with the Thinvent® Neo H, the high-performance evolution of our bestselling Neo series. This industrial workhorse, our largest model, is 100% designed and made in India, boasting a solid steel build crafted for demanding environments.

Unleash Peak Performance

At its core, the Intel® Core™ i5-1335U processor delivers formidable power with 10 cores, bursting up to 4.6 GHz and supported by a generous 12 MB cache. A robust 16GB DDR4 RAM ensures seamless multitasking, while the rapid 256GB SSD provides quick access to critical data. This powerful configuration is engineered to handle your most intensive industrial control and similar applications with ease.

Robust Industrial Connectivity

The Neo H offers a comprehensive suite of connectivity options vital for industrial operations

- A dedicated DB9 male RS232 serial port for legacy and control systems
- Gigabit Ethernet for high-speed network integration
- Two USB 3.2 and two USB 2.0 ports for peripherals
- HDMI and VGA outputs for versatile display configurations
- Speaker Out and Mic In for audio needs

Power is supplied by a reliable 12V 7A adapter, with a 2-metre cable, and a broad 100~275 Volts AC input range ensures stable operation.

Thinvent® Thinux™ Embedded Linux Advantage

Operate with confidence on Thinvent® Thinux™ Embedded Linux, a secure and feature-rich environment designed for efficiency

- Comprehensive remote management via RDP 10 (with RemoteFX, H.264/AVC), Putty, SSH, and intuitive browser-based controls
- VNC shadowing for collaborative remote access
- Essential productivity tools including LibreOffice and a PDF viewer
- Built-in Chromium and Mozilla Firefox browsers
- Support for Java, Python, and glibc based location applications
- Multimedia playback with MPEG4 support
- SIP video and voice over IP capabilities

Designed for Durability and Reliability

Built to last, the Neo H features a durable black powder-coated steel housing. It is engineered for challenging conditions, operating reliably across a 0°C to 40°C temperature range and 20% to 80% RH non-condensing humidity. Certified with BIS, RoHS, and ISO standards, the Thinvent® Neo H Mini PC is your dependable, high-performance solution for critical industrial applications.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 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
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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, 2.13kg

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_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

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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