



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

Thinux Embedded Linux

DB9 Serial

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



Precision Performance, Industrial Strength: Thinvent® Neo H Mini PC.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This isn't just a mini PC; it's an industrial workhorse, meticulously 100% designed and made in India, engineered for demanding applications like industrial control and beyond. Its robust, solid steel build ensures unparalleled durability in challenging environments.

Unrivalled Power and Storage

- Powered by the Intel® Core™ i3-1315U processor with 6 cores and a max frequency of 4.5 GHz, complemented by 10 MB cache, the Neo H delivers blazing speed for complex computations.
- Experience seamless multitasking and rapid data access with 16GB DDR4 RAM and a colossal 1TB SSD, providing ample storage for critical data and applications.

Built for Connectivity and Control

- The Neo H is an industrial workhorse, boasting a DB9 serial port for legacy device integration, crucial for industrial automation.
- Extensive connectivity includes 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet, HDMI, and VGA outputs for versatile display configurations.
- Designed for unwavering stability, it focuses on reliable wired Ethernet connectivity, making it ideal for secure and consistent network integration.

Thinvent® Thinux™ Embedded Linux

- Experience a secure and versatile operating environment tailored for embedded applications.
- Key features for remote management and productivity:
 - Chromium and Mozilla Firefox browsers
 - RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH for secure remote display
 - Browser-based remote management and VNC shadowing
 - Support for Java, Python, and glibc based location applications
 - LibreOffice, PDF viewer, and multimedia player with MPEG4 support
 - SIP video and voice over IP

Industrial Grade Reliability

- Built to operate in temperatures from 0°C to 40°C with 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO, guaranteeing quality and compliance.
- A wide 100~275 Volts AC input range with a robust 12V 7A adapter ensures stable power delivery.

The Thinvent® Neo H Mini PC is your solution for high-performance, rock-solid reliability in critical industrial and embedded applications.





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
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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		m256 = 256GB	
	m512 = 512GB		m1024 = 1TB	
	S32 = 32GB MLC		S128 = 128GB	
	S256 = 256GB			
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS		W_OS = Without OS	
	11V = Windows 11 IoT Value		11P = Windows 11 Pro	
	Thinux = Thinux™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		KM = Keyboard and Mouse set	
	1S = DB9 Serial		MK = Mechanical Keyboard	
	Mo = Wired Optical Scroll Mouse			

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