



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)

256GB SSD

Dual Band WiFi

DOS

SKU: H-I3_13-32_32-S256-12_7-M-DOS-0



Unleash Unrivaled Performance: The Thinvent® Neo H Mini PC.

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

Core Performance

- Harness powerful multi-core processing with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst speeds up to 4.5 GHz, backed by a generous 10 MB cache for rapid data access.
- Experience seamless multitasking and efficient operation with 8GB of high-speed DDR4 RAM, capable of handling complex workloads with ease.
- Benefit from lightning-fast boot-ups and quick application loading thanks to the reliable 32GB MLC SSD storage.

Industrial-Grade Connectivity

- Connect a host of peripherals and displays with a versatile array of ports, including 1 HDMI, 1 VGA, 2 USB 3.2, 2 USB 2.0, and dedicated speaker out and mic in jacks.
- Ensure stable and high-speed network access with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for flexible wireless deployment.

Built for Reliability

- Its compact yet sturdy 210mm × 202mm × 80mm dimensions house a black powder-coated steel chassis, designed to withstand rigorous use.
- Operates flawlessly across temperatures from 0°C to 40°C and humidity from 20% to 80% RH, non-condensing.
- Certified with BIS, RoHS, and ISO, guaranteeing quality and compliance.
- Powered by a robust 12V 7A adapter with a wide 100~275V AC input, ensuring stable power delivery.
- Ships with DOS, providing a flexible platform for your custom operating system.

Experience the power, precision, and resilience of the Thinvent® Neo H Mini PC – your ultimate solution for industrial computing.

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	256 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	FreeDOS
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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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