

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

8GB DDR4 RAM

128GB SSD

No WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I3_13-8-M128-12_5-X-U-1S



Precision Performance for Industrial Demands.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. As our largest product, this industrial workhorse is 100% designed and made in India, engineered for unwavering reliability and power in demanding environments, suitable for industrial control and similar applications.

Engineered for Excellence

- Experience unwavering speed with the Intel® Core™ i3-1315U processor, featuring 6 cores and burst frequencies up to 4.5 GHz, backed by a generous 10 MB cache.
- Multitask effortlessly with 16GB DDR4 RAM, ensuring smooth operation for critical applications.
- Benefit from rapid system response and quick data access with the integrated 256GB SSD.
- Pre-installed with Ubuntu Linux 24.04 LTS for a stable, secure, and open-source platform.

Built for Connectivity & Control

- The Neo H excels in industrial control and similar applications, offering a comprehensive suite of connectivity.

- A critical DB9 serial port provides essential connectivity for legacy devices and automation systems.
- Gigabit Ethernet ensures secure, high-speed wired networking, ideal for stability where wireless isn't an option.
- Versatile display outputs include HDMI and VGA, along with ample USB 3.2 (2 ports) and USB 2.0 (2 ports) for peripherals.
- Dedicated speaker out and mic in ports offer audio flexibility.

Durability and Reliability

- Housed in a solid, powder-coated black steel chassis, this unit is built to withstand rigorous daily use.
- Operates reliably in temperatures from 0°C to 40°C and humidity up to 80% RH, non-condensing.
- Powered by a robust 12V 7A adapter with a wide input range (100~275V AC).
- Certified with BIS, RoHS, and ISO standards, guaranteeing quality and environmental compliance.

The Thinvent Neo H Mini PC is your dedicated solution for powerful, enduring performance in industrial settings.



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	8 GB
SSD Storage	128 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	5 Amps
Power Input	100~240 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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB 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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