



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

4GB DDR4 RAM

2TB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I3_13-4-M2048-12_5-M-11P-1S



Unleash Industrial Power in a Compact Form.

Introducing the Thinvent® Neo H Mini PC: The High Performance evolution of our bestselling Neo model, engineered to be an industrial workhorse. This is our largest, most robust offering, 100% designed and made in India with a solid steel build for uncompromising durability, ideal for industrial control and similar demanding applications.

Unrivalled Performance

- Experience blazing speed with the Intel® Core™ i3-1315U processor, featuring 6 cores and turbo frequencies up to 4.5 GHz with a 10 MB cache.
- Multitask effortlessly and run demanding applications with a generous 32GB DDR4 RAM.
- Enjoy rapid boot-ups and lightning-fast application loading thanks to the 128GB SSD.
- Pre-installed with Microsoft Windows 11 Pro for enhanced productivity and security.

Robust Connectivity & Control

- The essential DB9 male RS232 serial port makes it perfect for connecting to legacy industrial equipment.
- Stay connected with reliable dual-band Wi-Fi 5 (802.11ac) and a lightning-fast 1000 Mbps Ethernet port.
- Versatile display options with 1x HDMI and 1x VGA outputs.
- Ample peripheral support via 2x USB 3.2 and 2x USB 2.0 ports.
- Dedicated speaker out and mic in for comprehensive audio integration.

Built for the Toughest Environments

- Housed in a durable, black power-coated steel chassis (210mm x 202mm x 80mm).
- Operates reliably from 0°C to 40°C with 20%~80% RH non-condensing humidity.
- Certified with BIS, RoHS, and ISO for quality and compliance.
- Powered by a stable 12V 7A adapter, designed for continuous industrial operation.

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	4 GB
SSD Storage	2048 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE			
H-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB) 32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB m2048 = 2TB S128 = 128GB	m256 = 256GB m1024 = 1TB S32 = 32GB MLC S256 = 256GB	
Wireless	m = Dual Band WiFi	X = No WiFi	
OS	DOS = DOS 11V = Windows 11 IoT Value 110 = Windows 11 Professional U = Ubuntu Linux	W_OS = Without OS 11P = Windows 11 Pro Thinix = Thinix™ Embedded Linux	
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse	KM = Keyboard and Mouse set MK = Mechanical Keyboard	

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