



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I3_12-64-M256-12_5-M-U-1S



Unleash Unrivaled Power: The Thinvent Neo H – Your Industrial Command Center.

Elevate your operations with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our most robust and largest offering, engineered as an industrial workhorse, the Neo H is purpose-built for demanding industrial control and similar critical applications. Proudly 100% designed and made in India, its solid steel construction guarantees durability and reliability where it matters most.

Unmatched Performance

- Experience lightning-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores and a blazing 4.4 GHz max frequency, backed by a 10 MB cache for seamless multitasking.
- Tackle the most intensive workloads effortlessly with a staggering 64GB DDR4 RAM.
- Boot up instantly and access files in a flash on the spacious 1TB SSD.
- Operate with stability and security thanks to pre-installed Ubuntu Linux 24.04 LTS.

Connectivity for Every Need

- Integrate seamlessly with existing setups using comprehensive I/O: 2x USB 3.2, 2x USB 2.0, 1x HDMI, 1x VGA, and a crucial DB9 male RS232 serial port for legacy industrial equipment.
- Stay connected with reliable dual-band Wi-Fi 5 (802.11ac) and a rapid 1000 Mbps Ethernet port.

Built to Endure

- Housed in a durable, powder-coated black steel chassis, designed for resilience in challenging environments.
- Certified with BIS, RoHS, and ISO standards, ensuring quality and compliance.
- Operates reliably across temperatures from 0°C to 40°C and humidity levels of 20% to 80% RH.

The Thinvent Neo H Mini PC delivers powerful computing in a compact, resilient package, ready to drive your most critical systems.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 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
Serial Port	1 DB9 male RS232
RS485 Option	1

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	1.69kg, 2.11kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE	
H-i3_12-[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 Thinix = Thinix™ 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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