

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Without OS

DB9 Serial

SKU: H-I3_12-16-M512-12_5-X-W_OS-1S



Thinvent Neo H: The Industrial Powerhouse for Demanding Operations

Experience uncompromising performance and rock-solid reliability with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. As our largest and most robust offering, this 100% designed and made in India industrial workhorse delivers powerful CPU and RAM configurations engineered for critical applications like industrial control.

Unrivaled Performance

At its heart lies the Intel® Core™ i3-1215U processor, boasting 6 cores and a max frequency of 4.4 GHz with a 10 MB cache, ensuring swift, efficient processing. Paired with 16GB DDR4 RAM, the Neo H handles intensive multitasking with ease, while the 128GB SSD provides lightning-fast boot-ups and application loads.

Industrial-Grade Connectivity and Durability

The Neo H is built for the factory floor, not just the office. Its solid steel housing with a powder-coated black finish ensures extreme durability.

- Essential industrial connectivity includes a crucial DB9 male RS232 serial port for legacy and control systems.
- Dual display options with HDMI and VGA ports.
- Four USB ports (2x USB 3.2, 2x USB 2.0) for versatile peripheral support.
- A reliable 1000 Mbps Ethernet connection for stable networking, intentionally omitting WiFi for enhanced security and interference-free operation in sensitive environments.
- Audio input/output with Mic In and Speaker Out ports.

Operating flawlessly from 0°C to 40°C, this system is powered by a robust 12V 7A adapter with a wide 100~275V AC input range, built to endure. Certified with BIS, RoHS, and ISO, the Neo H signifies uncompromising quality. Provided without an operating system, it offers the flexibility to deploy your preferred OS on a compact 210mm x 202mm x 80mm footprint.



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	16 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
RS485 Option	1

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	1.69kg, 2.11kg

OPERATING SYSTEM

Operating System	Without OS
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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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