



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

256GB SSD

No WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I3_12-32-M256-12_5-X-U-1S



Unleash Industrial Strength: 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 computer; it's an industrial workhorse, meticulously 100% designed and made in India, engineered for reliability where it matters most. Crafted with a solid steel build and a sleek black powder-coated finish (210mm x 202mm x 80mm), it's built to thrive in demanding environments, making it ideal for industrial control and similar critical applications.

Performance Unrivaled

- Powering your demanding applications is the Intel® Core™ i3-1215U processor, boasting 6 cores and blazing speeds up to 4.4 GHz with a substantial 10 MB cache.
- Combined with an immense 64GB DDR4 RAM, this machine ensures unparalleled multitasking and smooth operation even under the heaviest workloads.
- Experience instant boot-ups and rapid application loading from the lightning-fast 128GB SSD.

Industrial Connectivity and Reliability



- Essential for control systems and legacy equipment, it features a vital DB9 serial port.
- Running on Ubuntu Linux 24.04 LTS, it provides a stable, secure, and open-source platform ready for your most critical operations.
- Connect dual displays via one HDMI and one VGA port.
- Utilize multiple peripherals with two USB 3.2 and two USB 2.0 ports, along with dedicated speaker out and mic in.
- A 1000 Mbps Ethernet port ensures ultra-reliable wired networking, perfect for scenarios where robust wired connections are paramount and WiFi is not desired.
- Designed for continuous operation, it withstands temperatures from 0°C to 40°C and non-condensing humidity of 20% to 80% RH.
- Powered by a stable 12V 7A adapter with a 2-meter cable, it accepts a wide 100~275V AC input.
- Trust in its quality, backed by BIS, RoHS, and ISO certifications.

The Thinvent® Neo H Mini PC is your robust solution for powerful, dependable computing.

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	32 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
----------	-----------

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
------------------	------------------------

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 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

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

+91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

