



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I3_12-32-M128-12_5-M-11V-0



Unleash Unrivaled Industrial Performance.

Thinvent® Neo H: The High-Performance Mini PC

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. This industrial workhorse is our largest and most powerful system, meticulously 100% designed and made in India. With a solid steel build and sleek black powder coating, it's engineered for uncompromising durability in demanding environments, making it ideal for industrial control and similar applications.

Core Performance Unleashed

Experience blazing speed and seamless multitasking with the Intel® Core™ i3-1215U processor, featuring 6 cores, up to 4.4 GHz boost, and a generous 10 MB cache. Equipped with a massive 32GB DDR4 RAM and a swift 128GB SSD, the Neo H delivers the computational muscle required for even the most intensive tasks.

Robust Connectivity and Design

Connectivity is comprehensive and reliable

- Connect to multiple displays via HDMI and VGA.
- Integrate a host of peripherals with 2 USB 3.2 and 2 USB 2.0 ports.
- Ensure robust network access with a 1000 Mbps Ethernet port and dual-band Wi-Fi 5 (802.11ac).
- Audio needs are met with dedicated Speaker Out and Mic In.

This compact powerhouse, measuring 210mm × 202mm × 80mm, operates reliably from 0°C to 40°C. Powered by a 12V 7A adapter with a 2-meter cable (accepting 100~275V AC input), the Neo H is certified with BIS, RoHS, and ISO. Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it guarantees stability, security, and long-term support for your critical operations.

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	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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