



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: H-I3-12-8-8-M512-12_5-M-11V-KM



Thinvent® Neo H Mini PC: Power Your Industrial Vision.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. Designed as an industrial workhorse, this compact yet powerful machine is your solution for demanding applications, from industrial control to critical operations. Experience unwavering reliability and a host of connectivity options, all engineered and manufactured with pride in India.

Key Performance Features

- Processor: Intel® Core™ i3-1215U (6 cores, up to 4.4 GHz, 10 MB cache) for swift multitasking.
- Memory: 16GB DDR4 RAM to handle your workflow efficiently.
- Storage: 512GB SSD for rapid boot times and data access.

Unrivalled Connectivity

- Display: 1 HDMI and 1 VGA port for flexible display setups.
- Audio: 1 Speaker Out and 1 Mic In for clear communication.
- USB Ports: 2 USB 3.2 and 2 USB 2.0 for all your peripherals.

- Networking: Gigabit Ethernet (1000 Mbps) and Dual Band Wi-Fi 5 (802.11ac) for robust connectivity.

Built for the Toughest Environments

- Robust Construction: Solid steel housing with a durable black powder coating ensures longevity.
- Power: 12V 7A Adapter (100~275V AC input) with a 2-meter cable for versatile placement.
- Ideal Operating Conditions: 0°C ~ 40°C temperature and 20% ~ 80% RH humidity.
- Compact Design: Dimensions of 210mm x 202mm x 80mm make it space-saving.
- Certifications: BIS, RoHS, and ISO compliant for peace of mind.

Seamless User Experience

- Operating System: Pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value for secure, dedicated operation.
- Included Peripherals: Comes complete with a Thinvent® Keyboard and Mouse set for immediate productivity.

The Thinvent® Neo H Mini PC: Engineered for performance, built for industry, made in India.

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
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	2.21kg, 2.63kg

ACCESSORIES

Keyboard and Mouse	1
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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

32_32 = 64GB
DDR4 RAM (2 x
32GB)16_16 = 32GB
DDR4 RAM (2 x
16GB)8_8 = 16GB DDR4
RAM (2 x 8GB)

SSD

m128 = 128GB

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

Thinix = Thinix™ Embedded Linux

W_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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