



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: H-I3_13-16_16-S128-12_5-M-11V-0



Thinvent Neo H: Your Command Center for Demanding Environments.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. This industrial workhorse is our largest and most robust product yet, 100% designed and made in India, built to excel in industrial control and similar rigorous applications. Its solid steel housing with a powder-coated black finish ensures unmatched durability.

Unrivalled Performance

Powered by an Intel® Core™ i3-1315U processor with 6 cores, clocking up to 4.5 GHz and a 10 MB cache, the Neo H delivers exceptional processing power. Coupled with a massive 32GB DDR4 RAM and a lightning-fast 512GB SSD, it handles complex tasks, data-intensive operations, and multi-application environments with seamless efficiency and rapid responsiveness.

Robust Connectivity & OS

Equipped for any challenge, the Neo H features comprehensive I/O options including 1 HDMI, 1 VGA, 2 USB 3.2 ports, 2 USB 2.0 ports, gigabit Ethernet, Speaker Out, and Mic In. Stay connected with reliable dual-band Wi-Fi 5 (802.11ac). It runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering long-term stability and enhanced security for critical operations.

Industrial Grade Reliability

Designed for demanding environments, it operates from 0°C to 40°C with 20-80% non-condensing humidity. Its robust 12V 7A adapter supports a wide 100~275V AC input. Certified with BIS, RoHS, and ISO, the Thinvent Neo H guarantees quality and compliance.

Key Specifications

- Processor: Intel® Core™ i3-1315U (6 Cores, up to 4.5 GHz)
- Memory: 32GB DDR4 RAM
- Storage: 512GB SSD
- Dimensions: 210mm × 202mm × 80mm

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 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

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	1.62kg, 2.04kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i3_13-[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

Thinux = Thinux™ 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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