



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Without OS

Thinvent Keyboard and Mouse set

SKU: H-I3_12-16_16-M512-12_5-M-
W_OS-KM



Unleash Unrivalled Power in a Compact Form Factor

Introducing the Thinvent® Neo H Mini PC – the high-performance evolution of our bestselling Neo model. Engineered as an industrial workhorse, this powerhouse boasts a formidable Intel® Core™ i3-1215U processor featuring 6 cores that reach up to 4.4 GHz with a 10 MB cache, paired with a generous 8GB DDR4 RAM. Experience lightning-fast operations and seamless multitasking for your most demanding applications, including industrial control.

Dominating the competition with its robust configuration, the Neo H provides an expansive 1TB SSD for ample storage and rapid data access. Its large, solid steel chassis, finished in a sleek black powder coating, ensures durability and longevity. Designed and manufactured in India, this Mini PC embodies quality and reliability.

Connectivity is paramount with the Neo H. It features a comprehensive array of ports

- HDMI: 1
- VGA: 1
- Speaker Out: 1
- Mic In: 1
- USB 3.2: 2

- USB 2.0: 2
- Ethernet: 1000 Mbps
- Dual Band Wi-Fi 5 (802.11ac) for seamless wireless networking.

Included is a Thinvent® Keyboard and Mouse set, ready for immediate use. Note that this product comes Without OS, allowing you the flexibility to choose your preferred operating system. Power up with the 12V 7A adapter, designed for global compatibility with a 100~275 Volts AC input.

Specifications Highlight

- Processor Cores: 6
- Max Frequency: 4.4 GHz
- Cache: 10 MB
- Main Memory: 8 GB
- SSD Storage: 1024 GB

Built to withstand demanding environments, it operates efficiently between 0°C ~ 40°C with 20% ~ 80% RH non-condensing humidity. BIS, RoHS, and ISO certified. Dimensions: 210mm × 202mm × 80mm.

Experience the pinnacle of performance and connectivity with the Thinvent® Neo H Mini PC.

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	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	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

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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