



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

DOS

SKU: H-I3_12-16-S32-12_5-M-DOS-0



Unleash Unrivalled Performance: The Industrial Powerhouse, Made for India.

Experience the pinnacle of industrial computing with the Thinvent® Neo H Mini PC. As the high-performance evolution of our bestselling Neo model and our largest product yet, featuring powerful CPU and RAM configurations, this robust system is engineered for demanding applications, embodying power, reliability, and precision. 100% designed and made in India, the Neo H is built to perform.

Performance Powerhouse

Driven by an Intel® Core™ i3-1215U processor with 6 cores and a max frequency of 4.4 GHz, complemented by a substantial 10 MB cache, the Neo H delivers exceptional processing power.

- Six core CPU for superior multi-tasking and demanding workloads
- Blazing fast 4.4 GHz max frequency for rapid execution
- 16GB DDR4 RAM ensures seamless operation even with heavy applications
- Ultra-responsive 32GB MLC SSD for quick boot times and data access

Industrial Strength & Connectivity

The Neo H features a solid steel housing with a durable black powder coating, engineered for resilience in challenging environments.

- Robust steel construction for maximum durability
- Wide operating temperature (0°C ~ 40°C) and humidity range (20% ~ 80% RH, non condensing)
- Certified with BIS, RoHS, and ISO standards for quality and safety
- Compact dimensions (210mm × 202mm × 80mm) for versatile deployment

Connectivity Options

Equipped with a comprehensive suite of ports, this industrial workhorse offers unparalleled versatility for your applications, from industrial control to data acquisition.

- Visual Outputs: 1 HDMI, 1 VGA
- Audio Interface: 1 Speaker Out, 1 Mic In
- High-Speed USB: 2 USB 3.2, 2 USB 2.0
- Network Connectivity: Gigabit Ethernet (1000 Mbps), Dual Band Wi-Fi 5 (802.11ac)
- Flexible Power: 12V 7A DC adapter with wide 100~275V AC input

Operating System

- Pre-installed with FreeDOS for ultimate flexibility and customization.

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	32 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	FreeDOS
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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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