



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-I3_12-4-M512-12_5-M-DOS-KM



Unleash Industrial Power: The Thinvent® Neo H Mini PC

Experience unparalleled performance and rugged reliability with the Thinvent® Neo H Mini PC, the High Performance version of our bestselling Neo model. This industrial workhorse is engineered for demanding applications, boasting a formidable Intel® Core™ i3-1215U processor with 6 cores and a turbo frequency of up to 4.4 GHz. Paired with a massive 64GB of DDR4 RAM, multitasking and heavy workloads become effortless.

Connectivity Hub

- Ample ports for all your needs: 1 HDMI, 1 VGA, 1 Speaker Out, 1 Mic In, 2 USB 3.2, 2 USB 2.0, and a high-speed 1000 Mbps Ethernet port.
- Seamless wireless integration with Dual Band Wi-Fi 5 (802.11ac).

Built for the Toughest Environments

- Robust steel housing with a durable black power coating ensures longevity.
- Operates reliably between 0°C and 40°C with non-condensing humidity support.
- Compact dimensions (210mm × 202mm × 80mm) make it ideal for space-constrained industrial settings.

Complete Package

- Includes a Thinvent® Keyboard and Mouse set for immediate productivity.
- Comes pre-loaded with FreeDOS for maximum flexibility.
- Powered by a 12V 7A adapter (100~275V AC input).
- Certified to BIS, RoHS, and ISO standards.
- Proudly 100% designed and 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	4 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	FreeDOS
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Ordering Information

PRODUCT CODE			
H-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB) 32 = 32GB DDR4
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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