



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

No WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I3_12L-16-M512-12_7-X-U-1S



Unleash relentless industrial performance in a compact, indestructible frame.

Introducing the Thinvent® Neo H Mini PC

Engineered for the heart of your operation, the Neo H is the ultimate industrial workhorse. Built for the most demanding control applications, its robust solid steel construction ensures unwavering reliability in challenging environments, from the factory floor to remote installations.

What it delivers for your business

- Experience smooth, lag-free operation for complex control systems and data acquisition, keeping your processes running at peak efficiency.
- Directly connect to legacy machinery and modern networks simultaneously with dual Ethernet and a dedicated serial port, simplifying integration.

- Enjoy peace of mind with a system designed for 24/7 operation, built to withstand dust, vibration, and variable temperatures.
- Deploy with confidence using a stable, secure, and open-source operating system pre-installed, free from licensing headaches.
- Support home-grown innovation with a product that is proudly 100% designed and made in India, ensuring quality and direct support.

The Neo H is the powerful, dependable core for industrial automation, digital signage, and machine control, where failure is not an option.



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
Serial Port	1 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	1.79kg, 2.21kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

H-i3_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	64 = 64GB DDR4			
SSD	m128 = 128GB		m256 = 256GB	
	m32 = 32GB		m512 = 512GB	
	m1024 = 1TB		S32 = 32GB MLC	
	S128 = 128GB		S256 = 256GB	
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS		W_OS = Without OS	
	11V = Windows 11 IoT Value		11P = Windows 11 Pro	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		KM = Keyboard and Mouse set	
	1S = DB9 Serial		MK = Mechanical Keyboard	
	Mo = Wired Optical Scroll Mouse			

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