

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

512GB SSD

No WiFi

Thinix Embedded Linux

SKU: H-I3_12-32-M512-12_5-X-THINUX-0



Unleash Industrial Power: The Neo H Mini PC for Unyielding Performance.

Introducing the Thinvent® Neo H Mini PC: the High Performance evolution of our bestselling Neo series. This robust, industrial workhorse is 100% designed and made in India, engineered with a solid steel chassis for unparalleled durability in the most demanding environments. With powerful CPU and RAM configurations, it is our most capable offering in the Neo range.

Unrivaled Processing Power

Experience seamless operation with the Intel® Core™ i3-1215U processor, featuring 6 cores, a blistering 4.4 GHz max frequency, and a generous 10 MB cache. Paired with 4GB DDR4 RAM and a rapid 128GB SSD, the Neo H delivers quick boot-ups and responsive application handling, making it perfect for industrial control and similar applications.

Comprehensive Connectivity

Connect effortlessly with a host of options including

- 1 HDMI port
- 1 VGA port
- 2 USB 3.2 ports
- 2 USB 2.0 ports
- 1000 Mbps Ethernet for reliable, high-speed wired networking (Note: No WiFi for enhanced security in sensitive setups)

- Dedicated Speaker Out and Mic In for complete audio integration.

Thinvent® Thinix™ Embedded Linux

Powering your operations with Thinvent® Thinix™, a secure, robust, and versatile embedded Linux OS. Enjoy

- Chromium and Mozilla Firefox for web browsing
- RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH for secure remote display
- Browser-based remote management and VNC shadowing
- Support for Java, Python, and glibc based location applications
- LibreOffice, PDF viewer, multimedia player, and SIP video/voice over IP.

Built for Endurance

Designed for continuous operation, this unit boasts

- An operating temperature range of 0°C ~ 40°C
- 20% ~ 80% RH non-condensing operating humidity
- BIS, RoHS, and ISO certifications for peace of mind.

Its compact 210mm × 202mm × 80mm black, powder-coated steel housing ensures longevity and easy integration into any setup. Power it reliably with its 12V 7A adapter.





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
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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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

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 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

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

