



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinix Embedded Linux

DB9 Serial

SKU: H-I3_12-16-M1024-12_5-M-THINUX-1S



Unleash unparalleled power and reliability for your industrial demands.

Introducing the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo model. 100% designed and made in India, this robust industrial workhorse features a solid steel build, ideal for demanding industrial control and similar applications. As our largest product, it offers powerful CPU and RAM configurations for unyielding performance.

Unrivaled Performance

Experience exceptional speed with the Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache), 8GB DDR4 RAM, and a blazing-fast 1TB SSD. Ensuring seamless multitasking, rapid data access, and a responsive experience under heavy loads.

Extensive Connectivity

Stay connected with a host of versatile options for any setup.

- Two USB 3.2 and two USB 2.0 ports.
- HDMI and VGA outputs for dual-display.
- Speaker out and mic in.
- DB9 male RS232 serial port for industrial control.

- 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).

Thinvent® Thinix™ Embedded Linux OS

Thinvent® Thinix™ Embedded Linux offers a secure, efficient, feature-rich OS.

- Web browsers: Chromium and Mozilla Firefox.
- Remote access: RDP 10, Putty, and SSH for secure display and management.
- System management: Browser-based remote management and VNC shadowing.
- Application support: Java, Python, and glibc-based applications.
- Productivity: LibreOffice and PDF viewer.
- Multimedia and Communication: MPEG4 player, SIP video and voice over IP.

Industrial Strength and Reliability

Encased in durable, black power-coated steel, the Neo H operates reliably from 0°C to 40°C. BIS, RoHS, and ISO certifications affirm its quality and compliance. Its 12V 7A adapter with a 2-metre cable and wide 100~275V AC input ensures flexible power deployment.

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	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Serial Port	1 DB9 male RS232
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	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
	64 = 64GB DDR4		32 = 32GB 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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