



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: H-I3-12-32-32-M512-12_7-M-11P-1S



Unleash unparalleled power for industrial mastery.

Introducing the Thinvent® Neo H Mini PC, the High Performance version of our bestselling Neo series, engineered for demanding industrial environments. As our largest and most robust model, it's a true workhorse, 100% designed and made in India with a solid steel construction. Suitable for industrial control and similar applications.

Performance Redefined

- Experience lightning-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores and speeds up to 4.4 GHz, backed by a generous 10 MB cache.
- Multitask effortlessly and handle intensive applications with 32GB DDR4 RAM.
- Enjoy rapid boot times and quick access to data from the responsive 128GB SSD, all running on the secure and feature-rich Microsoft Windows 11 Pro.

Industrial Connectivity Hub

- Connect everything you need with 2x USB 3.2 and 2x USB 2.0 ports.

- Essential for industrial control, it includes a dedicated DB9 male RS232 serial port.
- Benefit from dual display capabilities with HDMI and VGA outputs, along with speaker out and mic in.
- Stay connected with reliable 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for flexible networking.

Built to Endure

- Housed in a durable black powder-coated steel chassis (210mm x 202mm x 80mm), this Mini PC is built for longevity.
- Operating flawlessly from 0°C to 40°C, it's ready for challenging conditions.
- Certified with BIS, RoHS, and ISO, ensuring quality and compliance, powered by a robust 12V 7A adapter.

The Thinvent Neo H Mini PC is your ultimate solution for applications requiring peak performance and unwavering reliability.

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	64 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
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	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	Microsoft Windows 11 Pro
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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		m256 = 256GB	
	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	
	Thinux = Thinux™ 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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