



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

Without OS

SKU: H-I5_12H-16-M1024-12_7-X-W_OS-0



Power meets resilience: the Thinvent Neo H brings raw computing muscle to the toughest environments.

Built as the high-performance version of our bestselling Neo series, this industrial workhorse is our largest and most capable mini PC yet. Whether you're managing automated production lines, running real-time data acquisition, or controlling complex machinery, the Neo H delivers the responsive, multi-tasking performance you need without breaking a sweat.

Connectivity is king in industrial settings, and the Neo H offers a generous array of ports to link your screens, peripherals, and legacy equipment. Hook up a monitor via HDMI and another via VGA – no expensive adapters required – and connect sensors, controllers, or storage devices through the multiple USB 3.2 and USB 2.0 ports. A gigabit Ethernet port ensures reliable network communication for supervisory control or remote monitoring.

Built to last, the Neo H is housed in a solid steel chassis with a durable powder-coated finish. It's 100% designed and made in India, so you get local support and quality you can trust. The fanless or low-noise operation (depending on configuration) keeps things quiet on the factory floor, while the wide operating temperature range means it keeps working when the heat is on.

Forget unnecessary extras like built-in WiFi or a pre-installed operating system – you have total control over your security and software stack. Install your preferred OS, configure your own network, and run the exact industrial applications your operation demands.

The Thinvent Neo H Mini PC is the reliable, powerful, and customisable foundation for your next industrial control project.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 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

NETWORKING

Ethernet	1000 Mbps
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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	1.82kg, 2.24kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

H-i5_12H-[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			

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

