Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: H-I5_12H-8-M512-12_5-M-THINUX-0

Industrial performance, uncompromised.

The Thinvent Neo H Mini PC is the powerhouse of the bestselling Neo family, engineered for demanding industrial environments where reliability and raw processing muscle matter most. This is not just another mini computer – it is an industrial workhorse, built from the ground up in India with a solid steel chassis that shrugs off the bumps and vibrations of the factory floor.

When your control systems, data acquisition tasks, or edge computing applications need consistent, responsive performance, the Neo H delivers. Its powerful 12th generation Intel Core i5 processor handles complex automation logic, multitasking, and real-time data processing without breaking a sweat. Whether you are running a production line HMI, a remote monitoring station, or a networked KVM setup, this machine keeps your operations ticking smoothly.

Connectivity is where the Neo H truly shines. With dual-band Wi-Fi, gigabit Ethernet, multiple USB ports, HDMI and VGA outputs, and comprehensive remote management tools baked into the Thinux Embedded Linux operating system, you can deploy, manage, and control it from anywhere. Built-in support for RDP, VNC, SSH, SIP voice and video, and browser-based management means your technical team can troubleshoot and maintain systems without being on site.

Every unit is 100% designed and made in India, giving you confidence in supply chain security and local support. The robust steel housing and powder-coated finish ensure long service life even in harsh conditions. Choose the Thinvent Neo H when you need a compact, resilient, and high-performance industrial computer that simply gets the job done.

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	8 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

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	1.73kg, 2.14kg

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.

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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			

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