



Thinvent Neo H Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

No WiFi

Thinix Embedded Linux

Thinvent Keyboard and Mouse set

SKU: H-I5_12H-16_16-M128-12_5-X-
THINUX-KM



Uncompromising performance for the toughest industrial jobs.

The powerhouse you can rely on

Built for the demanding environments of industrial control, this mini PC delivers the raw processing muscle you need to run complex automation, data logging, and machine vision tasks without a hitch. It's the high-performance version of our bestselling Neo model, engineered to handle heavier workloads with ease.

Connect and command with confidence

With a generous array of ports including dual display outputs and gigabit Ethernet, you can link multiple workstations, HMIs, or sensors effortlessly. Remote management is built right in, so you can monitor and maintain systems from anywhere using RDP, VNC, or SSH.

Designed for longevity, built in India

Housed in a solid steel chassis, this machine is made to endure the knocks and vibrations of the factory floor. Every unit is 100% designed and manufactured in India, ensuring robust quality and local support you can trust.

Out of the box, ready to work

Pre-loaded with Thinix Embedded Linux, you get all the essential tools – browsers, remote desktop, and office suite – with no licensing fees. The included keyboard and mouse mean you're up and running the moment it lands on your desk.

Choose the workhorse that keeps your operations moving.



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	32 GB
SSD Storage	128 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	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	2.24kg, 2.66kg

ACCESSORIES

Keyboard and Mouse	1
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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-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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