



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: H-I5_14-16-S256-12_5-X-11V-0



Unleash Unrivalled Performance: The Thinvent® Neo H Mini PC is your industrial powerhouse.

Elevate your operations with the Neo H, the high-performance evolution of our bestselling Neo series. This robust mini PC is our largest product, meticulously designed and 100% made in India to be an unwavering industrial workhorse, perfect for industrial control and demanding applications. Its solid steel construction, finished with a sleek power coating, ensures maximum durability in any environment, measuring a compact 210mm x 202mm x 80mm.

Power and Speed

- Experience lightning-fast processing with the Intel® Core™ 5 120U processor, boasting 10 cores and a turbo frequency up to 5.0 GHz, backed by a generous 12 MB cache.
- Multitask seamlessly with 4GB DDR4 RAM.
- Store vast amounts of data and applications on the expansive 1TB SSD.

Connectivity for Every Need

- Integrate effortlessly with dual HDMI ports and a VGA port for versatile display setups.

- Stay connected with blazing-fast 1000 Mbps Gigabit Ethernet.
- Access peripherals easily with two USB 3.0 and two USB 2.0 ports.
- Dedicated speaker out and mic in for comprehensive audio solutions.

Reliability and Enterprise Ready

- Powered by a stable 12V 7A adapter with a wide AC input range of 100~275V.
- Engineered for continuous operation from 0°C to 40°C and 20% to 80% non-condensing humidity.
- Certified with BIS, RoHS, and ISO for unparalleled quality assurance.
- Runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing secure and optimized performance for embedded systems.

The Thinvent® Neo H delivers exceptional power and resilience, ensuring peak performance where it matters most.



Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	256 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.0	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	1.33kg, 1.75kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

H-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB	m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB		
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux	W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux		
Accessories	0 = None 1S = DB9 Serial Mo = Wired Optical Scroll Mouse	KM = Keyboard and Mouse set MK = Mechanical Keyboard		

www.thinvent.insales@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

