

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I7_12L-32-M256-12_5-M-U-1S



Power Through Industrial Challenges with Unmatched Reliability.

Introducing the Thinvent Neo H, the high-performance evolution of our bestselling Neo series. Engineered as a true industrial workhorse, it delivers the robust processing power and steadfast reliability needed for the most demanding control and automation tasks. This is our largest, most capable mini PC, 100% designed and made in India with a solid steel build to endure harsh environments.

Ideal Use Cases

- Industrial control and automation systems.
- Digital signage and interactive kiosks in rugged settings.
- Advanced networking and gateway applications.
- Data acquisition and machine monitoring.

Why Choose the Neo H?

- Uncompromising Power: Tackle complex computations and multi-tasking with ease, ensuring your systems run smoothly without lag.
- Supreme Connectivity: Seamlessly integrate with a wide array of legacy and modern industrial equipment thanks to comprehensive port options.
- Built to Endure: Its rugged, all-steel construction offers superior protection against dust, vibration, and everyday industrial wear.
- Trusted and Supported: Benefit from local design expertise and a platform proven in countless installations, backed by Ubuntu Linux for stability.

Deploy confidence. Choose the industrial-grade mini PC built for performance that never quits.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	256 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
Serial Port	1 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE	
H-i7_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]	
RAM	4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB 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 Thinix = Thinix™ 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

