



Thinvent Neo H Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM (2 x 32GB)

256GB SSD

Dual Band WiFi

Ubuntu Linux

DB9 Serial

SKU: H-I7_12L-32_32-M256-12_7-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	64 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	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	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**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**m512** = 512GB**S32** = 32GB MLC**S256** = 256GB**m256** = 256GB**m1024** = 1TB**S128** = 128GB

Wireless

m = Dual Band WiFi**X** = No WiFi

OS

DOS = DOS**11V** = Windows 11 IoT Value**Thinux** = Thinux™ 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 Keyboardwww.thinvent.insales@thinvent.in

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