



Thinvent Neo H Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

1TB SSD

No WiFi

Windows 11 IoT Value

DB9 Serial

SKU: H-I7_12L-32-M1024-12_7-X-11V-1S



Unleash industrial power in a compact steel fortress.

Thinvent Neo H Mini PC: The High-Performance Workhorse

Forged from solid steel and 100% made in India, the Neo H is our most robust and capable industrial computer. It's built to excel where reliability is non-negotiable and connectivity is key. This isn't just a computer; it's the dependable core for your most demanding control systems.

Engineered for Demanding Environments

- Conquer complex computational tasks with smooth, responsive performance that keeps your operations running without a hitch.
- Connect seamlessly to a wide array of industrial machinery and legacy equipment with its comprehensive suite of ports.

- Deploy with absolute confidence in harsh conditions, thanks to its rugged, powder-coated steel housing that stands up to dust, vibration, and challenging workspaces.
- Simplify your network architecture and ensure constant communication with dual Gigabit Ethernet ports for critical data transfer.

Ideal for mission-critical applications like industrial automation, process control, and digital signage systems where unwavering stability and versatile connectivity are paramount. Choose the Neo H for the power to control, the resilience to endure, and the pedigree of being designed and built for industry.



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	1024 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

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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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

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