



Thinvent Neo H Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

32GB MLC SSD

Dual Band WiFi

Without OS

SKU: H-I5_14-32-S32-12_5-M-W_OS-0



Unleash Unrivalled Power: The Thinvent® Neo H Mini PC.

Experience the apex of industrial computing with the Thinvent® Neo H Mini PC, the high-performance evolution of our bestselling Neo series. As our largest and most powerful model, it's meticulously engineered as an industrial workhorse. Designed and made in India with a solid steel, powder-coated black housing, this compact unit (210mm × 202mm × 80mm) ensures exceptional durability and reliability for the most demanding environments (0°C ~ 40°C operating temp, 20% ~ 80% RH).

Powered by an Intel® Core™ 5 120U processor featuring 10 cores, bursting up to 5.0 GHz with a 12 MB cache, the Neo H delivers unparalleled processing power. Coupled with a massive 64GB DDR4 RAM, it effortlessly handles complex industrial control, data processing, and virtualization applications. A 128GB SSD provides rapid boot and application loading.

Connectivity and Versatility

- Dual HDMI and a VGA port for flexible multi-display setups.
- Gigabit Ethernet (1000 Mbps) and Dual Band Wi-Fi 5 (802.11ac) for robust networking.
- Ample USB 3.0 (2 ports) and USB 2.0 (2 ports), plus audio I/O (Speaker Out, Mic In).
- Wide input power range (100~275V AC) and a stable 12V 7A DC adapter for reliable operation.

This BIS, RoHS, and ISO certified powerhouse offers superior performance and an expansive host of connectivity options, making it ideal for critical industrial applications. Ship it without an OS to give you complete freedom of choice for your specific needs.

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	32 GB
SSD Storage	32 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
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	1.33kg, 1.75kg

OPERATING SYSTEM

Operating System	Without OS
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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		

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