



Thinvent Neo H Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

256GB SSD

Dual Band WiFi

Without OS

DB9 Serial

SKU: H-I3_12-16_16-M256-12_7-M-W_OS-1S



Unleash Industrial Power: The Thinvent® Neo H Mini PC is Your Robust Workhorse.

Experience the pinnacle of industrial computing with the Thinvent® Neo H Mini PC. As the high-performance iteration of our bestselling Neo series, this powerhouse is meticulously designed and 100% made in India, engineered for demanding industrial control and critical applications. Its solid steel construction ensures unparalleled durability, making it an indispensable asset in any challenging environment. This is our largest product with powerful CPU and RAM configurations.

Powered by an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and featuring a 10 MB cache, the Neo H delivers exceptional speed and responsiveness. Coupled with a massive 32GB DDR4 RAM and a rapid 32GB MLC SSD, it ensures seamless multitasking and swift data access, even under heavy loads.

Connectivity is paramount with the Neo H, offering a comprehensive suite for all your industrial needs

- 1 HDMI port for crisp display
- 1 VGA port for legacy systems

- 1 Speaker Out and 1 Mic In for audio flexibility
- 2 USB 3.2 and 2 USB 2.0 ports for versatile peripheral connections
- 1 DB9 male RS232 serial port, crucial for industrial automation
- Gigabit Ethernet (1000 Mbps) for reliable wired networking
- Dual-band Wi-Fi 5 (802.11ac) for flexible wireless connectivity

Built to endure, this Mini PC operates reliably from 0°C to 40°C and 20% to 80% RH. Its robust 12V 7A power adapter and broad AC input range (100~275V) ensure stable operation. Housed in a durable, powder-coated black steel chassis, the Neo H is a testament to resilience and efficiency, ready for any challenge without an pre-installed OS for maximum customization.

Certifications

- BIS
- RoHS
- ISO

Dimensions

- 210mm × 202mm × 80mm

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 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
USB 2.0	2
Serial Port	1 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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	1.79kg, 2.21kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE			
H-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB) 32 = 32GB DDR4
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 Keyboard	

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