



Thinvent Neo H Mini PC

AMD Ryzen 5 7430U processor

6 core, up to 4.3 GHz, 16 MB cache

64GB DDR4 RAM (2 x 32GB)

32GB MLC SSD

Dual Band WiFi

Ubuntu Linux

SKU: H-R5_7-32_32-S32-19_3-M-U-0



Unleash industrial performance in a compact powerhouse.

Built for the toughest tasks

- Drive demanding industrial control systems with the raw multi-core power of a high-performance AMD processor, handling data logging, automation scripts and real-time monitoring without breaking a sweat.
- Run multiple applications simultaneously – from SCADA interfaces to edge analytics – thanks to a configuration that delivers smooth, responsive operation day in, day out.
- Trust a system engineered for continuous duty in factory floors, workshops and remote installations, where downtime is not an option.

Designed and made in India

- Rely on a 100% domestically engineered mini PC, built with a solid steel housing that withstands vibration, dust and everyday knocks.

- Choose a product that combines local manufacturing excellence with global component quality, ensuring consistent performance and easy support.

Connectivity that keeps you in control

- Connect legacy equipment and modern peripherals alike, with a versatile array of ports including VGA, HDMI, USB and gigabit Ethernet – perfect for integrating into existing industrial networks.
- Operate wirelessly with dual-band WiFi, giving you freedom to place this workhorse wherever it is needed most, without trailing cables.
- Enjoy out-of-the-box readiness with Ubuntu Linux 24.04 LTS – a stable, secure foundation that reduces setup time and simplifies maintenance.

From process control to data acquisition, the Thinvent Neo H is the industrial workhorse you can count on, backed by robust build quality and a powerful CPU that meets the demands of your most critical applications.

Thinvent Neo H Mini PC



Specifications

PROCESSING

Generation	7000 Series
Series	Ryzen 5
Processor Brand	AMD
Processor Model	7430U
Cores	6
Max Frequency	4.3 GHz
Cache	16 MB
Main Memory	64 GB
SSD Storage	32 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2 Gen 1	2
USB 2.0	2

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	19 Volts
DC Current	3 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	1.27kg, 1.69kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

H-r5_7-[RAM]-[SSD]-19_3-[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 Keyboard

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