

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

32GB MLC SSD

No WiFi

Thinux Embedded Linux

SKU: H-I5_14-16-S32-12_5-X-THINUX-0



Thinvent® Neo H Mini PC: Unrivaled Power, Unwavering Reliability, Made for Industry.

Experience the apex of industrial computing with the Thinvent® Neo H Mini PC. As the high-performance evolution of our bestselling Neo line, this robust workhorse is engineered in India for demanding environments. Its solid steel chassis, finished with a durable powder coating in black, guarantees longevity and stability where it matters most, making it suitable for industrial control and similar applications.

Unleash exceptional speed and responsiveness

- Driven by an Intel® Core™ 5 120U processor featuring 10 cores, up to 5.0 GHz, and 12 MB cache
- Paired with a massive 32GB DDR4 RAM for seamless multitasking and handling demanding applications
- Ultra-fast 128GB SSD ensures rapid boot-ups and quick data access

Connectivity and Control

- Extensive I/O options for versatile deployment: 2x HDMI, 1x VGA, 2x USB 3.0, 2x USB 2.0, Speaker Out, and Mic In
- Gigabit Ethernet (1000 Mbps) provides stable, high-speed wired networking, ideal for critical applications

- Powered by a 12V 7A adapter with a 2-metre cable, accepting 100~275 Volts AC input
- Operates reliably from 0°C to 40°C with 20% to 80% RH non-condensing humidity

Thinvent® Thinux™ Embedded Linux: Your Operational Advantage

- Pre-installed with Thinvent® Thinux™ for a secure and optimized experience
- Features comprehensive remote management capabilities: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, VNC shadowing, and browser-based remote management
- Includes essential productivity tools: Chromium and Mozilla Firefox browsers, LibreOffice, and a PDF viewer
- Supports Java, Python, and glibc-based applications, plus multimedia playback with MPEG4 support, and SIP video and voice over IP

Measuring 210mm × 202mm × 80mm, this compact powerhouse is 100% designed and made in India. Carrying BIS, RoHS, and ISO certifications, the Thinvent Neo H is your trusted solution for high-performance industrial computing.



Specifications

PROCESSING

| | |
|-----------------|-------|
| Generation | 14th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 120U |
| Cores | 10 |
| Max Frequency | 5 GHz |
| Cache | 12 MB |
| Main Memory | 16 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 |
|----------|-----------|

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 | Thinvent® Thinux™ Embedded Linux |
| OS Features | Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP. |

Ordering Information

| PRODUCT CODE | | | |
|---|--|---------------------|------------------------------------|
| H-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | | | |
| RAM | 4 = 4GB DDR4 | 8 = 8GB DDR4 | 16 = 16GB DDR4 |
| | 64 = 64GB DDR4 | | 32 = 32GB 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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