



Thinvent Neo R/4 Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 Pro

DB9 Serial

SKU: R-15_14-64-M512-12_5-M-11P-1S



Unleash Mighty Performance in a Mini Package

Experience the power of big computing in a compact form factor with the Thinvent® Neo R/4 Mini PC. Engineered for demanding tasks, this ultra-efficient machine redefines productivity for a diverse range of applications.

Unrivaled Performance

- Drive your projects with an Intel® Core™ 5 120U processor, featuring 10 cores and blistering speeds up to 5.0 GHz, backed by a generous 12 MB cache for seamless multitasking and complex operations.
- Tackle intensive applications and switch effortlessly between tasks with an expansive 64GB DDR4 RAM.
- Enjoy instant boot-ups and rapid data access from the 128GB SSD, ensuring a responsive user experience.

Extensive Connectivity

- Hook up multiple displays for enhanced productivity with 2 HDMI and 1 VGA port.
- Benefit from versatile peripheral support through 2 USB 3.0 and 2 USB 2.0 ports.
- Integrate effortlessly with industrial or legacy systems via the essential 1 DB9 male RS232 serial port.

- Stay connected with blazing-fast 1000 Mbps Ethernet and reliable dual-band Wi-Fi 5 (802.11ac) for seamless networking.
- Complete audio connectivity with dedicated speaker out and mic in ports.

Built for Reliability

- Housed in durable steel with a sleek black power-coated finish, it's designed for longevity and a professional aesthetic.
- Its minuscule dimensions (198mm x 200mm x 73mm) and ultra-light 110 grams weight make it an ideal space-saving solution for any environment.
- Comes pre-installed with Microsoft Windows 11 Pro, offering a secure, productive, and modern computing experience right out of the box.
- Operates reliably within 0°C to 40°C and 20% to 80% RH (non-condensing), perfect for various commercial settings.
- Certified for quality and safety with BIS, RoHS, and ISO standards, ensuring peace of mind.
- Powered efficiently by a robust 12V 7A adapter with a convenient 2-metre cable, accepting 100~275V AC input.



Thinvent Neo R/4 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 | 64 GB |
| SSD Storage | 512 GB |

DISPLAY

| | |
|------|---|
| HDMI | 2 |
| VGA | 1 |

AUDIO

| | |
|-------------|---|
| Speaker Out | 1 |
| Mic In | 1 |

CONNECTIVITY

| | |
|-------------|------------------|
| USB 3.0 | 2 |
| USB 2.0 | 2 |
| Serial Port | 1 DB9 male RS232 |

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 | 198mm × 200mm × 73mm |
| Packing Dimensions | 340mm × 235mm × 105mm |
| Weight | 110 grams |
| Housing Material | Steel |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.23kg, 1.65kg |

OPERATING SYSTEM

| | |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

Ordering Information

| PRODUCT CODE | | | |
|---|--|---------------------|------------------------------------|
| R-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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