

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 64GB DDR4 RAM

## 256GB SSD

## No WiFi

## DOS

## DB9 Serial



SKU: R-I5\_14-64-M256-12\_5-X-DOS-1S

Unleash unparalleled power in a compact, purpose-built form factor.

### Introducing the Thinvent® Neo R/4 Mini PC

Engineered for demanding industrial, commercial, and specialized applications, the Thinvent® Neo R/4 Mini PC delivers robust performance and unwavering reliability where it matters most.

#### Core Performance

- Experience lightning-fast processing with the Intel® Core™ 5 120U processor, featuring 10 cores, a blazing 5.0 GHz max frequency, and a generous 12 MB cache for seamless multitasking and rapid data handling.
- Empower your most intensive applications with a massive 64GB DDR4 RAM, ensuring zero lag and superior responsiveness.
- Benefit from rapid system boot-ups and quick application loading thanks to the ultra-fast 128GB SSD.

#### Connectivity & Control

- Versatile display options include 2x HDMI and 1x VGA ports.
- Ample peripheral support with 2x USB 3.0 and 2x USB 2.0.
- Essential for legacy systems and industrial control, it features a dedicated DB9 male RS232 serial port.

- Enjoy secure, high-speed networking with 1000 Mbps Ethernet – no WiFi for enhanced security and stability.
- Integrated speaker out and mic in ports provide comprehensive audio capabilities.

#### Built for Endurance

- Housed in a durable steel chassis with a sleek black powder coating, the Neo R/4 is built to withstand rigorous environments.
- Operates reliably in temperatures from 0°C to 40°C and humidity from 20% to 80% RH.
- Wide power input (100~275 Volts AC) and robust 12V 7A DC adapter ensure stable operation.
- Certified with BIS, RoHS, and ISO standards for quality and compliance.

#### Compact Design

- Measuring just 198mm × 200mm × 73mm and weighing only 110 grams, this mini PC offers incredible space-saving deployment.

#### Optimized for Specific Needs

- Pre-installed with FreeDOS, it's perfect for specialized applications requiring a lean, dedicated operating environment without the overhead of modern GUIs.





# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

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|                 |        |
|-----------------|--------|
| 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     | 256 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

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

### NETWORKING

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|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

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|              |  |
|--------------|--|
| 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

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|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

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|                      |                       |
|----------------------|-----------------------|
| 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

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|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## Ordering Information

| PRODUCT CODE  |  |                     |                                    |
|---|--|---------------------|------------------------------------|
| <b>R-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b> |  |                     |                                    |
| <b>RAM</b>  | <b>4</b> = 4GB DDR4                    | <b>8</b> = 8GB DDR4 | <b>16</b> = 16GB DDR4              |
|   | <b>64</b> = 64GB DDR4                  |                     | <b>32</b> = 32GB DDR4              |
| <b>SSD</b>  | <b>m128</b> = 128GB                    |                     | <b>m256</b> = 256GB                |
|   | <b>m32</b> = 32GB                      |                     | <b>m512</b> = 512GB                |
|   | <b>m1024</b> = 1TB                     |                     | <b>S32</b> = 32GB MLC              |
|   | <b>S128</b> = 128GB                    |                     | <b>S256</b> = 256GB                |
| <b>Wireless</b>   | <b>m</b> = Dual Band WiFi              |                     | <b>X</b> = No WiFi                 |
| <b>OS</b>   | <b>DOS</b> = DOS                       |                     | <b>W_OS</b> = Without OS           |
|   | <b>11V</b> = Windows 11 IoT Value      |                     | <b>11P</b> = Windows 11 Pro        |
|   | <b>Thinux</b> = Thinux™ Embedded Linux |                     | <b>U</b> = Ubuntu Linux            |
| <b>Accessories</b>  | <b>0</b> = None                        |                     | <b>KM</b> = Keyboard and Mouse set |
|   | <b>1S</b> = DB9 Serial                 |                     | <b>MK</b> = Mechanical Keyboard    |
|   | <b>Mo</b> = Wired Optical Scroll Mouse |                     |                                    |

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

+91-99903-44251

**R&D and Manufacturing**  
 #11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
 UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

