



# Thinvent Neo R/4 Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

32GB MLC SSD

No WiFi

Windows 11 IoT Value



SKU: R-I5\_14-32-S32-12\_5-X-11V-0

Unleash uncompromising performance in a compact, purpose-built design.

The Thinvent® Neo R/4 Mini PC delivers robust computing power for demanding business and industrial applications. Engineered for peak efficiency and unwavering reliability, this mini powerhouse integrates cutting-edge technology into a durable, space-saving footprint.

### Exceptional Performance

- Powered by the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with a generous 12 MB cache, ensuring seamless multitasking and rapid data processing.
- Experience unparalleled responsiveness with 32GB DDR4 RAM for smooth operation of intensive applications.
- Boot up in an instant and access your critical data at lightning speed with the integrated 128GB SSD.

### Built for Reliability

- Designed for secure and stable connectivity, featuring a dedicated 1000 Mbps Ethernet port for robust wired networking, with no WiFi for enhanced security.

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a stable, long-term supported operating system tailored for commercial and industrial environments.
- Housed in a durable steel chassis with a power-coated black finish, it's built to withstand challenging conditions and operates reliably across 0°C to 40°C.

### Versatile Connectivity

- Connect multiple displays with 2 HDMI ports and 1 VGA port.
- Expand your peripheral options with 2 USB 3.0 and 2 USB 2.0 ports, along with dedicated speaker out and mic in jacks.

### Compact and Efficient

- Measuring just 198mm x 200mm x 73mm and weighing only 110 grams, it fits almost anywhere.
- Energy-efficient with a 12V 7A adapter and a wide 100~275V AC power input range, including a 2-metre cable.

### Quality and Compliance

- BIS, RoHS, and ISO certified, ensuring adherence to the highest standards of quality and environmental responsibility.



## Specifications

### PROCESSING

---

|                 |       |
|-----------------|-------|
| Generation      | 14th  |
| Series          | i5    |
| Processor Brand | Intel |
| Processor Model | 120U  |
| Cores           | 10    |
| Max Frequency   | 5 GHz |
| Cache           | 12 MB |
| Main Memory     | 32 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           | 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 IoT Enterprise LTSC 2024 Value |
|------------------|---|

## 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>Thinix</b> = Thinix™ 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

