



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

128GB SSD

No WiFi

Thinix Embedded Linux

Thinvent Keyboard and Mouse set



SKU: R-I3\_12-32\_32-M128-12\_7-X-  
THINUX-KM

## Unleash Productivity in a Compact Powerhouse

Introducing the Thinvent® Neo R/4 Mini PC: Your gateway to seamless computing and efficient operations. Designed for performance and reliability, this mini PC packs a punch without compromising on space.

### Powerful Performance

- Powered by an Intel® Core™ i3-1215U processor, featuring 6 cores that boost up to 4.4 GHz with a 10 MB cache for swift multitasking.
- Experience lightning-fast responsiveness with 32 GB DDR4 RAM.
- Store your essentials and access them in an instant with a 256 GB SSD.

### Versatile Connectivity

- Connect to any display with HDMI and VGA ports.
- Expand your audio setup with dedicated Speaker Out and Mic In.
- Utilize high-speed data transfer with 2 USB 3.2 and 2 USB 2.0 ports.
- Enjoy stable wired networking with a 1000 Mbps Ethernet port.

### Smart and Efficient

- Runs on the robust Thinvent® Thinix™ Embedded Linux, optimized for performance and security.

- Comes pre-loaded with Chromium and Mozilla Firefox browsers for your web needs.
- Seamless remote access and management capabilities including RDP 10, Putty, SSH, and VNC shadowing.
- Supports Java, Python, and glibc for location-based applications.
- Includes LibreOffice and a PDF viewer for essential productivity tasks.
- Enjoy multimedia with a built-in player supporting MPEG4.
- Integrated SIP for video and voice over IP communication.

### Built to Last

- Durable steel housing with a sleek black powder coating.
- Compact dimensions (198mm × 200mm × 73mm) and a lightweight design (110 grams).
- Reliable 12V 7A adapter for consistent power.
- Operates efficiently within a 0°C ~ 40°C temperature range.
- Certified with BIS, RoHS, and ISO for quality assurance.

### Included Peripherals

- Thinvent® Keyboard and Mouse set for immediate use.





# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 128 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|              |   |
|--------------|---|
| USB 3.2      | 2 |
| USB 2.0      | 2 |
| RS485 Option | 1 |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~275 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 | 2.20kg, 2.62kg        |

### ACCESSORIES

|                    |   |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

### OPERATING SYSTEM

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



## Ordering Information

| PRODUCT CODE                                           |                                                                                                 |                                                                                    |                                                               |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------|
| R-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                                                                                 |                                                                                    |                                                               |
| RAM                                                    | <b>4</b> = 4GB DDR4<br><b>32_32</b> = 64GB DDR4 RAM (2 x 32GB)                                  | <b>8</b> = 8GB DDR4<br><b>16_16</b> = 32GB DDR4 RAM (2 x 16GB)                     | <b>16</b> = 16GB DDR4<br><b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) |
| SSD                                                    | <b>m128</b> = 128GB<br><b>m512</b> = 512GB<br><b>S32</b> = 32GB MLC<br><b>S256</b> = 256GB      | <b>m256</b> = 256GB<br><b>m1024</b> = 1TB<br><b>S128</b> = 128GB                   |                                                               |
| Wireless                                               | <b>m</b> = Dual Band WiFi                                                                       | <b>X</b> = No WiFi                                                                 |                                                               |
| OS                                                     | <b>DOS</b> = DOS<br><b>11V</b> = Windows 11 IoT Value<br><b>Thinux</b> = Thinux™ Embedded Linux | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>U</b> = Ubuntu Linux |                                                               |
| Accessories                                            | <b>0</b> = None<br><b>1S</b> = DB9 Serial<br><b>Mo</b> = Wired Optical Scroll Mouse             | <b>KM</b> = Keyboard and Mouse set<br><b>MK</b> = Mechanical Keyboard              |                                                               |

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