



# Thinvent Treo Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

Thinux Embedded Linux

SKU: TREO-I3\_12-8\_8-M512-12\_5-X-THINUX-0



## Unleash Mighty Performance in a Mini Footprint, Crafted in India

Experience the Thinvent® Treo Mini PC, a powerhouse designed for efficiency and reliability. 100% designed and made in India, this compact device delivers robust performance for your most demanding applications.

### Superior Performance

- Driven by an Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache), ensuring lightning-fast responsiveness.
- Multitask effortlessly with a massive 32GB DDR4 RAM.
- Enjoy rapid boot times and quick application loading from a 512GB SSD.

### Robust Connectivity & Design

- Connect to multiple displays via HDMI and VGA ports.
- Versatile USB options include 2x USB 3.2, 2x USB 2.0, and 4x front USB 2.0 for all your peripherals.
- Secure and stable network access with 1000 Mbps Ethernet.
- Energy-efficient with a reliable 12V 7A adapter, complete with a 2-metre cable.
- Built with a solid aluminium housing in a sleek black powder-coated finish, ensuring efficient heat dissipation and exceptional durability.

- For large deployments, customisable colours and designs are available.

### Thinvent Thinux™ OS Advantage

- Powered by Thinvent® Thinux™ Embedded Linux for a secure and optimized environment.
- Access the web with pre-installed Chromium and Mozilla Firefox browsers.
- Benefit from advanced remote management with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Support for Java, Python, and glibc based applications.
- Productivity tools include LibreOffice and a PDF viewer.
- Enjoy multimedia with MPEG4 support and integrated SIP video/voice over IP.

### Reliability & Compact Form

- Certified with RoHS, ISO, and BIS for quality assurance.
- Designed for challenging environments with an operating temperature range of 0°C ~ 40°C and 20% ~ 80% RH, non-condensing humidity.
- Extremely compact (199.5mm × 181.5mm × 29.5mm) with VESA mount capability for flexible placement.



# Thinvent Treo 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     | 16 GB   |
| SSD Storage     | 512 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|               |   |
|---------------|---|
| USB 3.2       | 2 |
| USB 2.0       | 2 |
| Front USB 2.0 | 3 |
| RS485 Option  | 1 |

### 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           | 199.5mm × 181.5mm × 29.5mm |
| Packing Dimensions   | 224mm × 319mm × 85mm       |
| Housing Material     | Aluminium                  |
| Housing Finish       | Powder Coated              |
| Housing Colour       | Black                      |
| Net and Gross Weight | 1.39kg, 1.61kg             |

### ACCESSORIES

|            |   |
|------------|---|
| VESA Mount | 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

**Treo-i3\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                         |                                         |                                      |                       |
|-------------|-----------------------------------------|-----------------------------------------|--------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                     | <b>8</b> = 8GB DDR4                     | <b>16</b> = 16GB DDR4                | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                     | <b>m256</b> = 256GB                     |                                      |                       |
|             | <b>m512</b> = 512GB                     | <b>m1024</b> = 1TB                      |                                      |                       |
| Wireless    | <b>m</b> = Dual Band WiFi               | <b>X</b> = No WiFi                      |                                      |                       |
| OS          | <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                 |                                      |                       |
| Accessories | <b>0</b> = None                         | <b>KM</b> = Keyboard and Mouse set      |                                      |                       |
|             | <b>MK</b> = Mechanical Keyboard         | <b>Mo</b> = Wired Optical Scroll Mouse  |                                      |                       |

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