



# Thinvent Treo Mini PC

## Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: TREO-I5\_12H-8\_8-M512-12\_7-X-11V-0



Powerfully compact computing, proudly made in India.

Keep your operations lean and efficient with the Thinvent® Treo Mini PC, a mighty powerhouse shoehorned into a space-saving chassis. Built around a robust 12th generation Intel Core i5 processor, this mini PC is designed for your most demanding edge applications without cluttering your workflow space. Perfect for digital signage, dedicated kiosk systems, or as a streamlined workstation, the Treo delivers consistent, responsive performance from a footprint that fits virtually anywhere.

Say goodbye to fragile plastic machines. It's crafted from solid aluminium, a choice made purposeful for superior heat dissipation and a reliably cool, quiet operation. Its powder-coated black finish is smooth to the touch and distressingly scratch-resistant, offering lasting structural integrity over time.

For highly targeted or enterprise deployments requiring hundreds of identical units, we can tailor its colour scheme or housing details to your exact needs.

Engage directly with your dual display setup, accessible interfaces range to peripherals, and wired networking ensures a stable connection for anything thrown at it. Windows 11 IoT Enterprise comes studio-loaded, purpose-built for fidelity in focused, single applications.

Overcome instability from big-box, generic desktop replacements and house value performance exactly where you plant it. Embrace thicker metal, not increased size, for a tempered machine yielding flaw proof paces country-run thousands higher miles deep for manufacturing cycles in raw where each fall counts.

In work is assembly for measure, every push comes known. That is make yours lean strength. Choose Treo.



# Thinvent Treo Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 12450H  |
| Cores           | 8       |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 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 | 4 |

### 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           | 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 | 1.52kg, 1.74kg             |

### ACCESSORIES

|            |   |
|------------|---|
| VESA Mount | 1 |
|------------|---|

### OPERATING SYSTEM

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## Ordering Information

## PRODUCT CODE

Treo-i5\_12H-[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)                      | <b>32</b> = 32GB DDR4 |
| SSD         | <b>m128</b> = 128GB<br><b>m512</b> = 512GB                                                      | <b>m256</b> = 256GB<br><b>m1024</b> = 1TB                      |                                                                                    |                       |
| 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>Thinix</b> = Thinix™ 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>MK</b> = Mechanical Keyboard                                              |                                                                | <b>KM</b> = Keyboard and Mouse set<br><b>Mo</b> = Wired Optical Scroll Mouse       |                       |

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