

# PTB1304 Mirroring Dongle



Specifications

## Change History

Document Version	Release Date	Description
V1.0.0	2023-06-06	First release

## Introduction

The PTB1304 mirroring dongle, when combined with the TU playback control processor series and MEE meeting board series, enables the wireless transmission of audio and video content from the presenter's smart device to the LED screen. This creates an efficient, visually appealing, and interactive commercial space for audio and video display. The signal can be directly outputted through the Type-C port, providing a fast connection and high-definition screen mirroring.

## Features

- Fast screen mirroring speed, which takes only 3 seconds from pressing the button to successfully mirroring the content on the screen.
- Short delay for high-definition video, with a latency of less than 80ms.
- Long transmission distance of up to 15m.

## Appearance



Indicators	
Flashing blue	<ul style="list-style-type: none"> <li>• When inserted into the receiving end for pairing: The dongle is pairing with the receiving end.</li> <li>• When inserted into computer: The dongle is connecting to the receiving end software.</li> </ul>
Always on in bright blue	<ul style="list-style-type: none"> <li>• When inserted into receiving end for pairing: The software has been updated and the dongle can be removed from the port.</li> <li>• When inserted into computer: The dongle is connected to the receiving end software and is ready for screen mirroring.</li> </ul>
Always on in dark blue	The dongle is mirroring content.

## Specifications

CPU	900 MHz
OS	Linux
DDR3	512 MB
NAND	128 M
Wi-Fi Module	5 GHz/2.4 GHz
Wi-Fi Bandwidth	867 MHz
Start-up Time	<15s
Supported OS	Windows/macOS
Operation Method	Plug and play, mirror screen with ease
Transmission Resolution	1920×1080
Input Frame Rate	60 fps
Transmission Frame Rate	60 fps and below
Power Supply Interface	Type-C
Transmission Connector	Type-C
Touch Feedback	Mouse
Temperature Range	Operating: +5°C to +38°C (+41°F to +100.4°F) Storage: -20°C to +50°C (-4°F to +122°F)
Humidity	Operating: 0% to 90% relative humidity, non-condensing Storage: 0% to 85% relative humidity, non-condensing

## Dongle Pairing

### The Purpose of Pairing

- To input the Wi-Fi name and password from the receiving end into the dongle.
- Update the dongle software if the software version of the dongle does not match the receiving end.
- Set the dongle priority if a master mirroring dongle is selected.

### Pairing the Dongle

Connect the dongle to the USB port of the receiving end using a Type-C to USB adapter, wait for approximately 10 seconds until the "Connection successful" prompt appears, indicating that the pairing is complete.



## Using the Dongle

- Step 1: Connect the dongle to the Type-C port of the computer.
- Step 2: Follow the prompted instructions for screen mirroring.

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