

Thundercomm TurboX C2210 Development Kit

Quick Start Guide

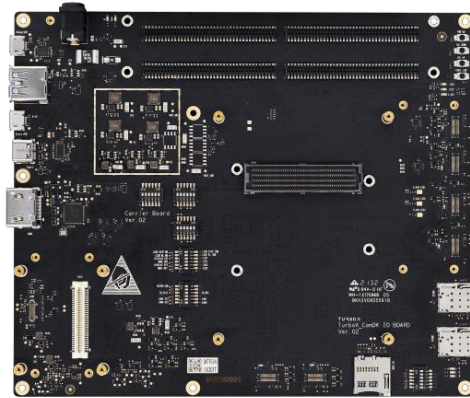
Rev. V1.0.1

DN: tc-y-2110.1

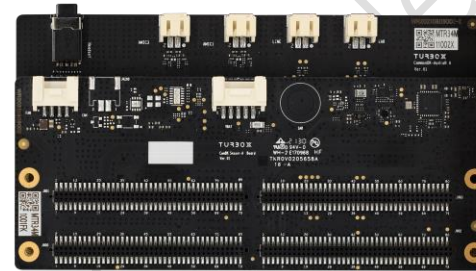
Package List



C2210 Interposer Board



Main Board



Audio Board + Sensor Board (assembly)



LCD Touch Panel*(1)



Power Adapter
(except Japan)⁽²⁾



Wi-Fi/BT Antenna



GPS Antenna



Speaker (x2)

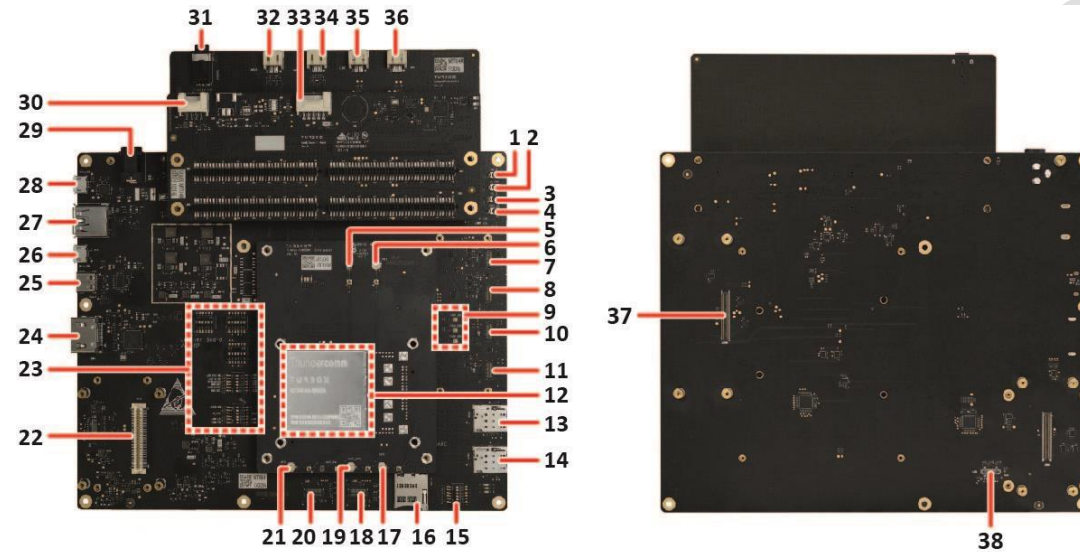


Camera Module

NOTES:

- (1). All parts are included in the advanced DK package. Parts marked * are not included in the standard DK package.
- (2). Due to PSE regulations, there is no inbox adapter for the products sold to Japan. Please contact your distributor if you have any needs. Voltage input to DK: typical 12V. Power adapter: ≥ 2A. DC in jack size: 2.5mm x 5.5mm (inner diameter x outer diameter).

Interface List



1. Power on button	14.NA *	27.NA *
2. Volume down button	15.Boot config switch	28.Micro USB port (for UART debug)
3. Volume up button	16.SD card slot	29.DC in jack
4. Force USB button	17.NA *	30.Fan connector *
5. Wi-Fi antenna connector	18.NA *	31.Headset connector *
6. Primary antenna connector	19.Discontinuous reception antenna	32.Analog microphone connector 3 *
7. Camera module connector 1	20.NA *	33.Battery connector
8. Camera module connector 0	21.GNSS signal-receiving antenna	34.Analog microphone connector 1 *
9. Flash LEDs *	22.NA *	35.Line out speaker connector
10.Camera module connector 3 *	23.DIP switch	36.Ear speaker connector
11.Camera module connector 2 *	24.HDMI out interface	37.NA *
12.SOM plate	25.Type-C USB port	38.Display panel connector (for LCM)
13.NA *	26.Micro USB port	-

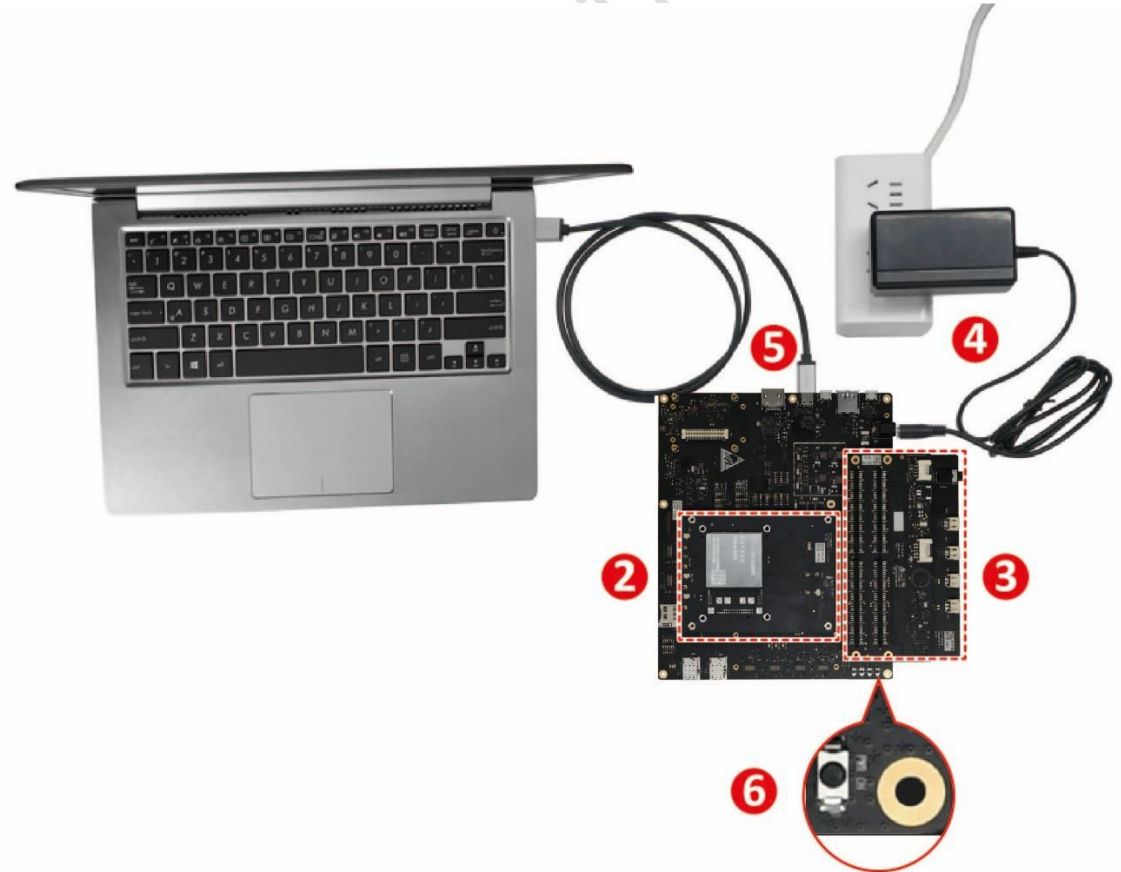
NOTES:

- * indicates that these interfaces are unavailable on C2210.
- The above board layout is compliant with Common DK HW version v02. For v01 relevant quick start guide, please contact us at service@thundercomm.com.

Let's Get Started

Follow the steps below to boot up your device.

1. Take out the Interposer Board, Sensor Board, and Main Board carefully from the package.
2. Connect the Interposer Board to the Main Board.
3. Connect the Sensor Board and Audio Board to the Main Board.
4. Connect the power adapter to the board assembly via **12V DC in jack** (connector 29).
5. Connect the board assembly to a computer via
 - **Type-C USB connector** (connector 25) if **adb** tool is needed.
 - **Micro USB port (for UART debug)** (connector 28) if debug function is needed.
6. Press **Power on button** (connector 1) to boot up the device.



Contact us

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Support software and documentation downloads: www.thundercomm.com

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