



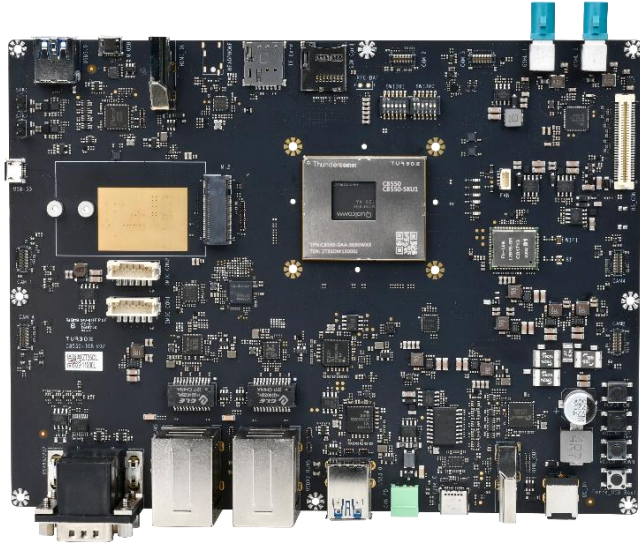
Thundercomm TurboX C8550 Development Kit

Quick Start Guide

Rev. V1.0

DN: tc-P-2110

Package List



C8550 Development Kit



USB 3.0 cable A to C



Power Adapter



OV9282 Camera



Camera Module

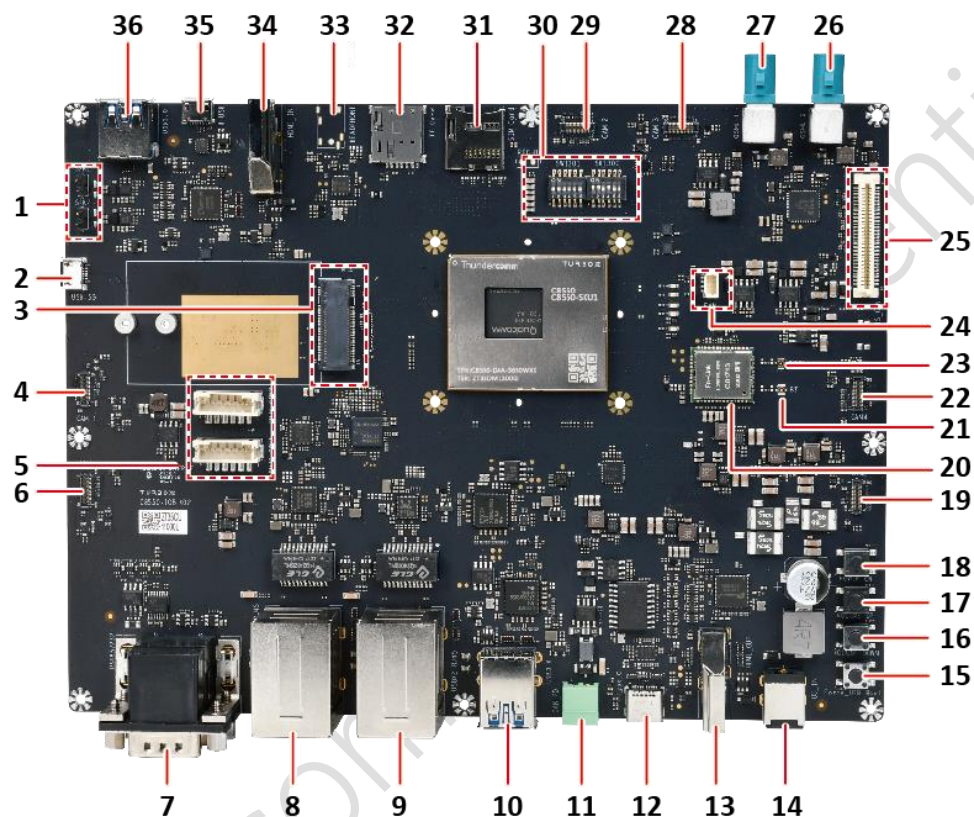


Speaker (x 2)



Wi-Fi/BT Antenna (x 2)

Interface List

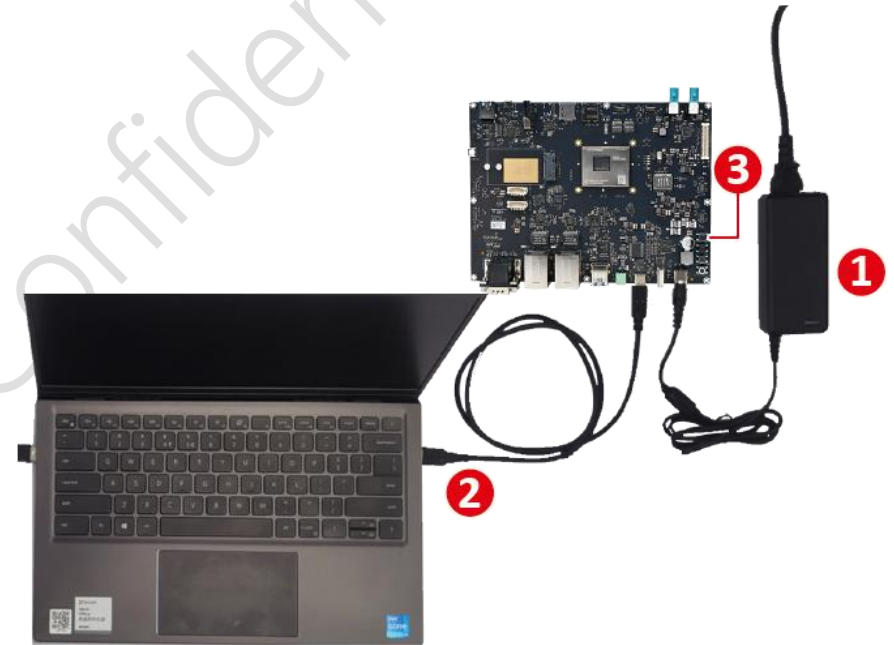


1. Speaker connector x 2	13. HDMI OUT connector	25. High speed connector
2. Micro USB connector for M.2	14. DC in jack	26. GMSL connector 2
3. M.2 connector B-KEY (5G module and SSD supported)	15. Force USB Boot button	27. GMSL connector 1
4. Camera module connector 1	16. Volume down button	28. Camera module connector 3
5. DMIC connector	17. Volume up button	29. Camera module connector 2
6. Camera module connector A	18. Power on button	30. DIP switch x 2
7. DB9 connector x 2 (RS232 + RS485)	19. Camera module connector B	31. TF card slot (non-PoR)
8. 1 x RJ 45 + 2 x USB 3.0 Type-A connector	20. SDIO Wi-Fi module	32. SIM card slot
9. 1 x RJ 45 + 2 x USB 3.0 Type-A connector	21. BT antenna connector	33. Headphone connector
10. USB 3.0 Type-A connector	22. Camera module connector 4	34. HDMI IN connector
11. CAN connector	23. Wi-Fi antenna connector	35. Micro USB connector for UART debug
12. USB 3.1 Type-C connector	24. Fan connector	36. USB 3.0 Type A connector

Let's Get Started

Follow the steps below to boot up your device.

1. Connect the power adapter to the board assembly via **DC in jack** (connector 14).
2. Connect the board assembly to a computer via
 - **USB 3.1 Type-C port** (connector 12) if **adb** tool is needed.
 - **Micro USB connector (for UART debug)** (connector 35) if debug function is needed.
3. Connect the board to a monitor via **HDMI OUT connector** (connector 13).
4. Set the **DIP switch** (connector 30).
 - **SW1301**: Toggle all bits to OFF.
 - **SW1300**:
 - Bit 1~2: ON
 - Bit 3 ~6: OFF
5. Press **Power on button** (connector 18) to boot up the device.



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