

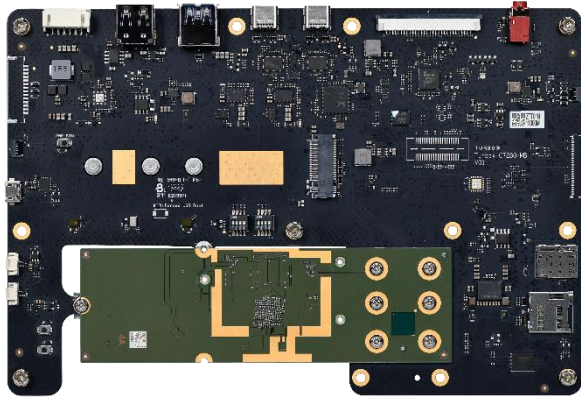
Thundercomm TurboX CT7280 Development Kit

Quick Start Guide

Rev. V1.0

DN: tc-M2-2110

Package List



CT7280 Main Board + SC7280 QCARD



Speaker (x2)

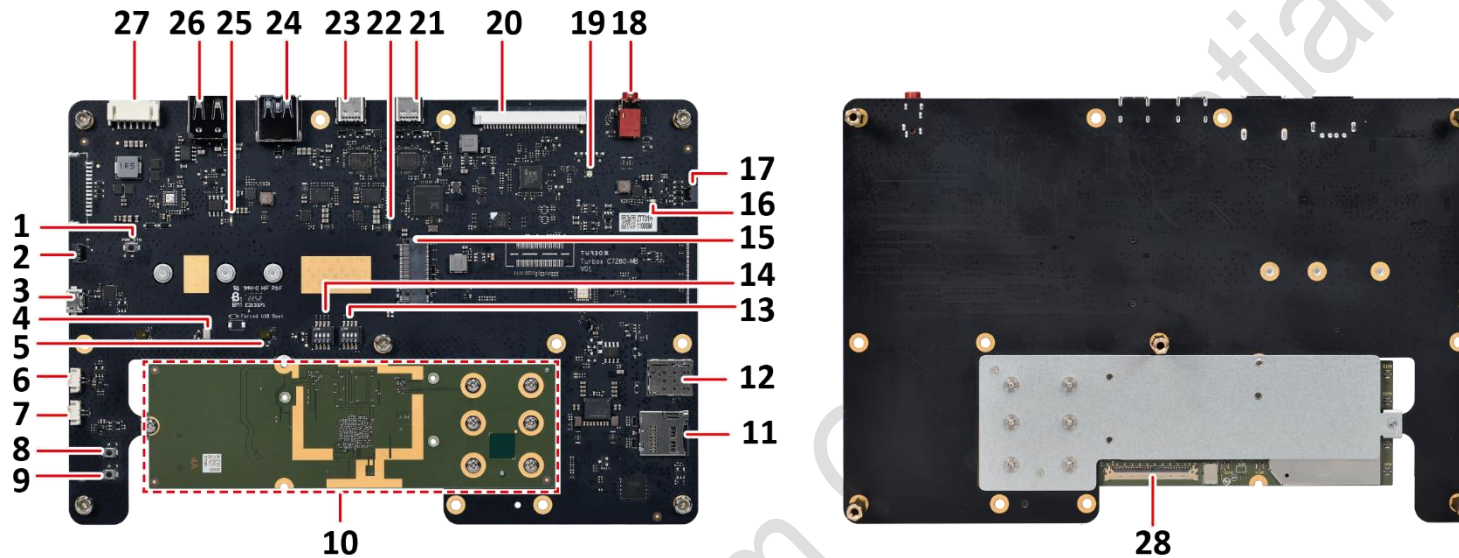


Wi-Fi/BT Antenna (x2)



Cellular Antenna (x4)

Main Board Interface List



1. Power on button	15. M.2 connector for NVME SSD
2. Finger print connector	16. Green LED
3. Micro USB connector (for UART debug)	17. Touch PAD connector
4. Integrated microphone (Bottom-Port MIC)	18. Audio jack (AUX out)
5. Integrated microphone (Top-Port MIC)	19. RGB LEDs
6. Right speaker connector	20. Keyboard connector
7. Left speaker connector	21. Type-C USB 3.1 connector 1
8. Volume up button	22. Blue LED
9. Volume down button	23. Type-C USB 3.1 connector 2
10.SC7280 QCARD	24. Type-A USB 3.0 connector
11.TF card slot	25. Red LED
12.SIM card slot	26. Type-A USB 2.0 connector
13.DIP switch 2 (SW4402)	27. Battery connector
14.DIP switch 1 (SW4401)	28. EDP CSI connector

Let's Get Started

Follow the steps below to boot up your device.

1. Connect LCD to the QCARD LCD socket with a dedicated cable.
⚡ **NOTE:** It is strictly prohibited to plug or unplug the LCD interface while it is still charged.
 2. Connect the speaker, touch pad, and fingerprint as needed.
⚡ **NOTE:** It is strictly prohibited to plug or unplug the above components while they are still charged.
 3. Set the DIP switches.
 - DIP switch 1 (SW4401): All bits off.
 - DIP switch 2 (SW4402): Bits 1, 2, 3 off; Bit 4 on
 4. Connect the battery or a power supply of $8V \pm 5\% / 2A$ or higher to the **Battery connector** (connector 27).
⚡ **NOTES:**
 - Connect the power cable to a power source or battery. The red wire connects to the positive terminal and the black wire connects to the negative terminal of the power source. Please use a wire with AWG20 or higher current capacity.
 - The polarity should not be reversed, and the voltage should not exceed 8.4V.
 - The power cable should not exceed 50cm in length.
 5. After the power is connected, the **Green LED** (connector 16) lights up.
 6. Long press the **Power on button** (connector 1) to boot up the device. The Blue LED (connector 22) lights up and the screen displays an icon.
- ⚡ **NOTES:**
- A USB keyboard and mouse can be used for Windows operations.
 - The TYPE-C port can be used to power the system or charge the battery.
 - Please use normal shutdown process to avoid forced power off.



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