

Thundercomm TurboX C2290/CM2290 Development Kit

Quick Start Guide

Rev. V1.1.1

DN: tc-j-2111.1

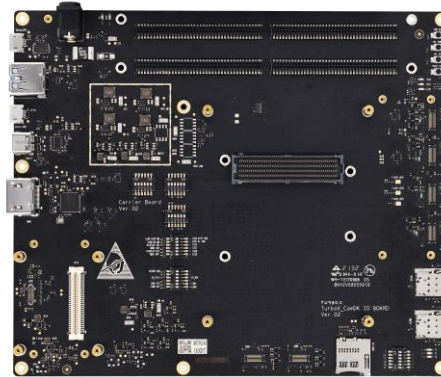
Package List



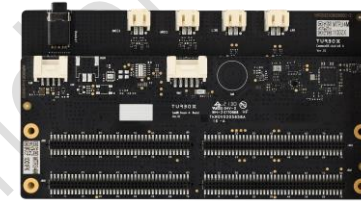
C2290 Interposer Board



CM2290 Interposer Board



Common DK Board



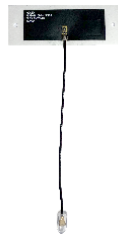
Common DK
Audio Board + Sensor Board



Power Adapter
(except Japan)⁽¹⁾



Wi-Fi/BT Antenna



GPS Antenna



Cellular Antenna (x2)



Camera Module



LCD Touch Panel^{*(2)}

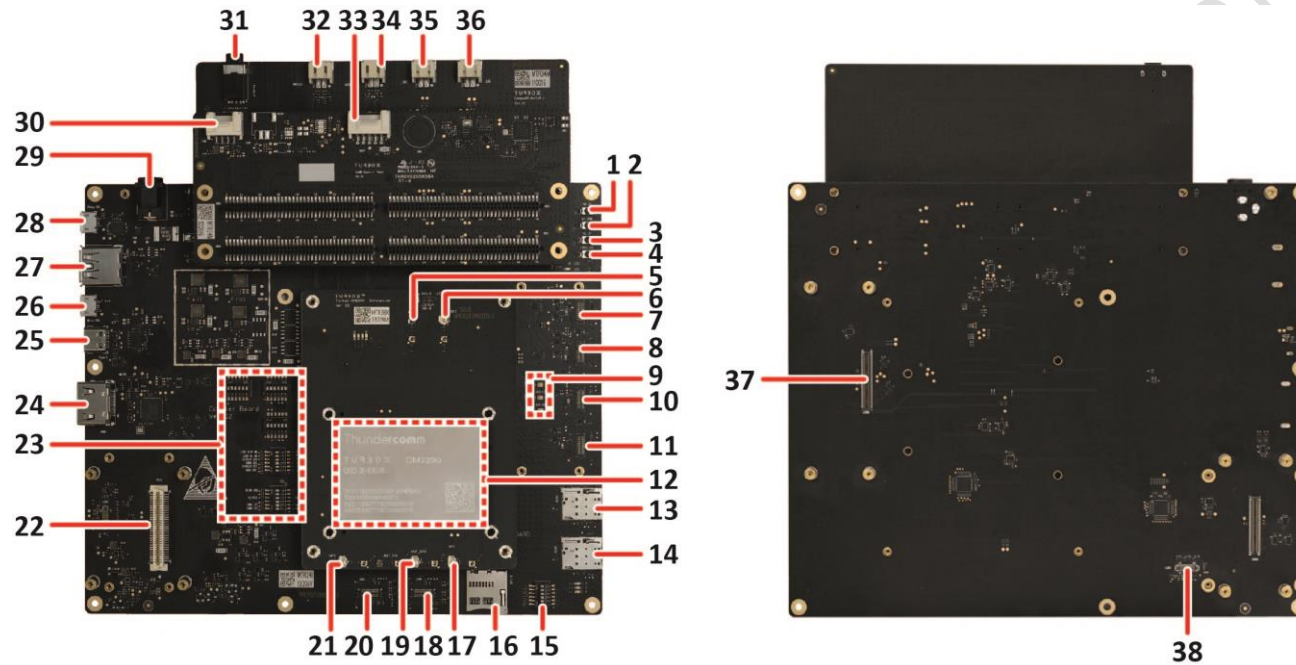
NOTES:

(1). 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).

(2). All parts are included in the advanced DK package. Parts marked * are not included in the standard DK package.

Interface List



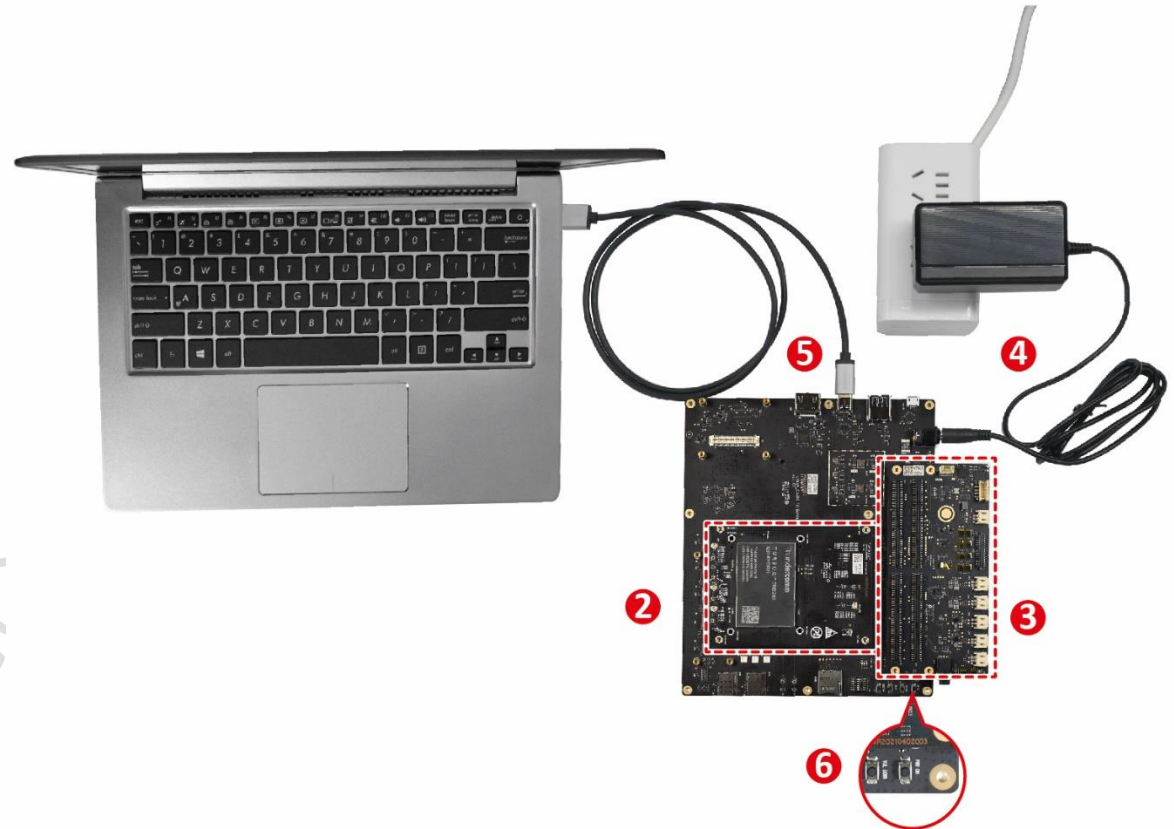
1. Power on button	14.SIM card slot 2	27.NA
2. Volume down button	15.Boot config switch	28.Micro USB connector (for UART debug)
3. Volume up button	16.SD card slot	29.DC in jack
4. Force USB button	17.GPS signal-receiving antenna (for CM2290 only)	30.Fan connector
5. Wi-Fi antenna connector	18.NA	31.Headset 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.G	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 connector	37.NA
12.SOM plate	25.Type-C USB connector	38.Display panel connector (for LCM)
13.SIM card slot 1	26.Micro USB connector	-

NOTE: 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 Common DK board carefully from the package.
2. Connect the interposer board to the Common DK board.
3. Connect the sensor board to the Common DK 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, supported by Android operating system, is needed.
 - **Micro USB connector** (connector 26) if debug function is needed.
6. Long 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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