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Thundercomm TurboX CM4290 Development Kit User Guide
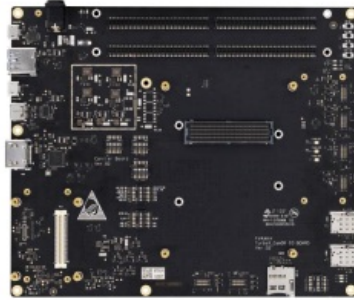
Contents

Thundercomm TurboX CM4290 Development Kit

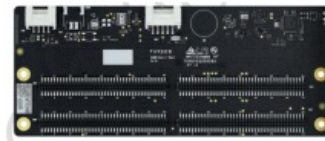## Package List

Interposer Board
(with C4290/CM4290 SOM)

Main IO Board

Sensor Board

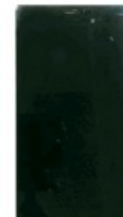

Power Adapter

Wi-Fi/BT Antenna

GPS Antenna

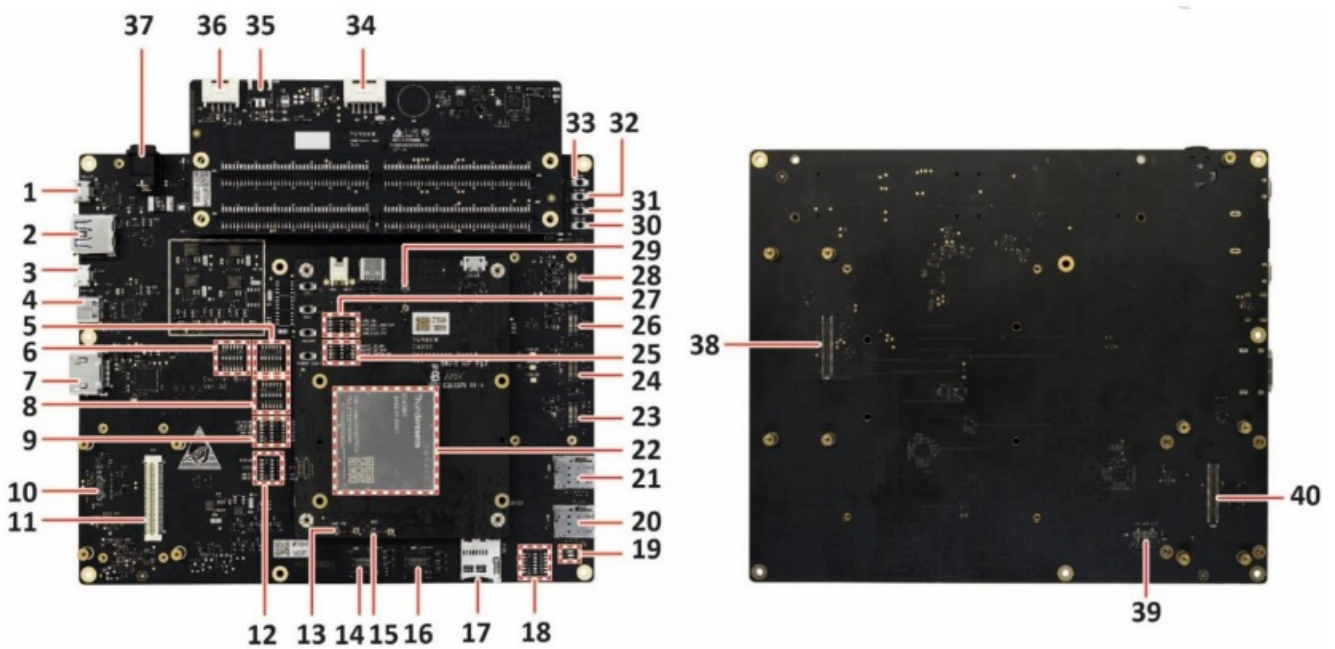Cellular Antenna (x2) [1]

Camera Module

LCD Touch Panel [2]
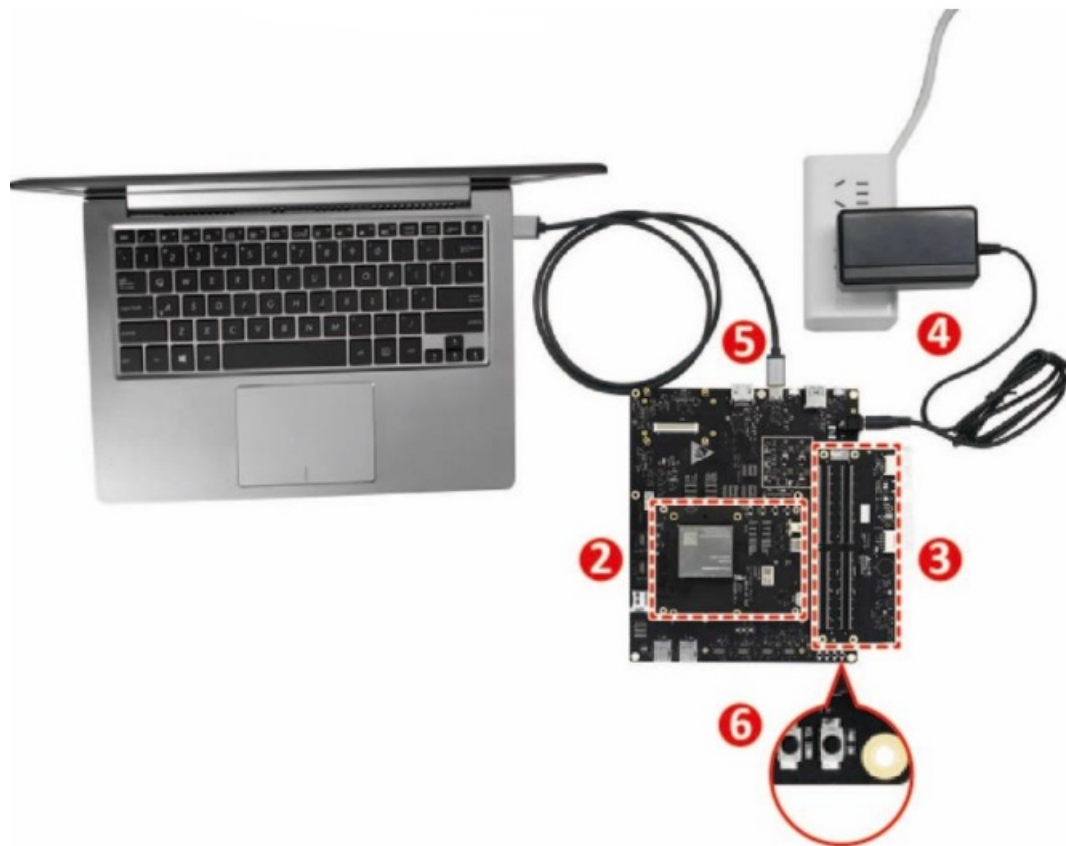

Audio board [3]

Interface List

1. UART debug connector	11.PCIE connector *	21.SIM card slot 1 **	31.Volume up button
2. USB 3.1 Type-A connector	12.SW 1300	22.SOM plate	32.Volume down button
3. Micro USB connector	13.FM antenna connector	23.Camera connector 2	33.Power on button
4. USB 3.1 Type-C connector	14.Camera connector 5 *	24.Camera connector 3 *	34.Battery connector
5. SW 2100	15.GPS antenna connector	25.SW 1102	35.CAN connector *
6. SW 2200	16.Camera connector 4 *	26.Camera connector 0	36.Fan connector
7. HDMI out connector	17.SD card slot	27.SW 1101	37.12V DC in jack
8. SW 2101	18.Switch *	28.Camera connector 1	38.CSI signal connector
9. SW 1301	19.RGB LED	29.Wi-Fi antenna slot	39.LCD connector
10. LCD connector 1 *	20.SIM card slot 2 **	30.Force USB boot button	40.External display connector

NOTE:

- Unavailable on C4290/CM4290.
- Unavailable on C4290.

Let's Get Started

Follow the steps below to boot up your device.

1. Remove interposer board, sensor board, and main IO board carefully from the package.
2. Connect the interposer board to the main IO board.
3. Connect the sensor board to the main IO board.
4. Connect the power adapter to the board assembly via 12V DC in jack (connector 37).
5. Connect the board assembly to a computer via

    USB 3.1 Type-C connector (connector 4) if adb tool, supported by Android operating system, is needed.

    UART debug connector (connector 1) if debug function is needed.
6. Long press power on button (connector 33) to boot up the device.

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Documents / Resources

	Thundercomm TurboX CM4290 Development Kit [pdf] User Guide TurboX CM4290 Development Kit, TurboX CM4290, Development Kit, TurboX CM4290 Development Kit, C4290

References

- **Thundercomm - World leading IoT product and solution provider**
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