Open-Q™ 212A Development Kit
Quick Start Guide

Package Contents

1. Open-Q™ 212A SOM with APQ8009 SoC
2. Open-Q™ 212A Carrier Board
3. AC Power Adapter
4. Camera Adaptor Board (Optional Accessory)

1. WLAN Antenna 1 (PCB Trace)
2. Configuration DIP switches
3. Automation Header
4. Power header
5. BT Antenna (PCB trace)
6. MIPI-C SI Camera 0 Connector*
7. Digital Audio Codec header
8. Battery Charging header
9. MIPI-C SI Camera 1 Connector* (not supported)
10. USB Type-C Connector (not supported)
11. 12V DC Power jack
12. GPS External Antenna Connector
13. Accessory header (sensors, etc.)
14. GPS PCB Antenna*
15. Power Source Switch (Batt/DC)
16. Battery connector
17. USB Debug UART Micro B
18. SOM Power Probe header
19. Speaker Connector
20. WLAN Antenna 2 (PCB Trace)
21. USB Type-A Dual Stack Host
22. Audio Expansion Header
23. Micro-USB port
24. MIPI-DSI LCD/Display Connector*
25. Headset Connector
26. Power Button
27. Volume + button
28. Volume - button
29. HDMI Connector
30. Wi-Fi U.FL Antenna 1 Connector
31. Wi-Fi U.FL Antenna 0 Connector
32. BT U.FL Antenna Connector
33. WLAN/BT Module
34. GPS U.FL Antenna Connector
35. APQ8009 CPU
36. Open-Q 212A System on Module (SOM)

* ON BOTTOM SIDE

Specifications are subject to change - 895-0027-00 Rev A
Development Kit Setup

1. At a static-safe workstation, remove the development kit board carefully from the anti static bag.

2. Connect the serial debug USB (17) to your favorite terminal program if you wish to see boot messages (FTDI UART — USB bridge driver required on PC).

2. Connect the Power Adapter to the 12V DC Jack (11) and then press and hold the POWER ON button (26) for a few seconds until the blue LED starts blinking to indicate the board is booting up.

3. Documentation and software
   To access the documentation (schematics, user guides, datasheets, programming guides, tech notes...), platform BSP software and much more, please register at:

   http://tech.intrinsyc.com

Development Kit Support

Should you require more information or assistance, you can contact us at:

https://helpdesk.intrinsyc.com

Intrinsyc also provides technical information and videos on Qualcomm processors at:

https://www.intrinsyc.com/resources

Should you require additional technical support for your Development Kit you can easily purchase a technical support package from the Intrinsyc store:

http://shop.intrinsyc.com/collections/technical-support-packages

Thank you for purchasing the Open-Q 212A Development Kit