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Open-Q™ 626 µSOM Development Kit Quick Start Guide
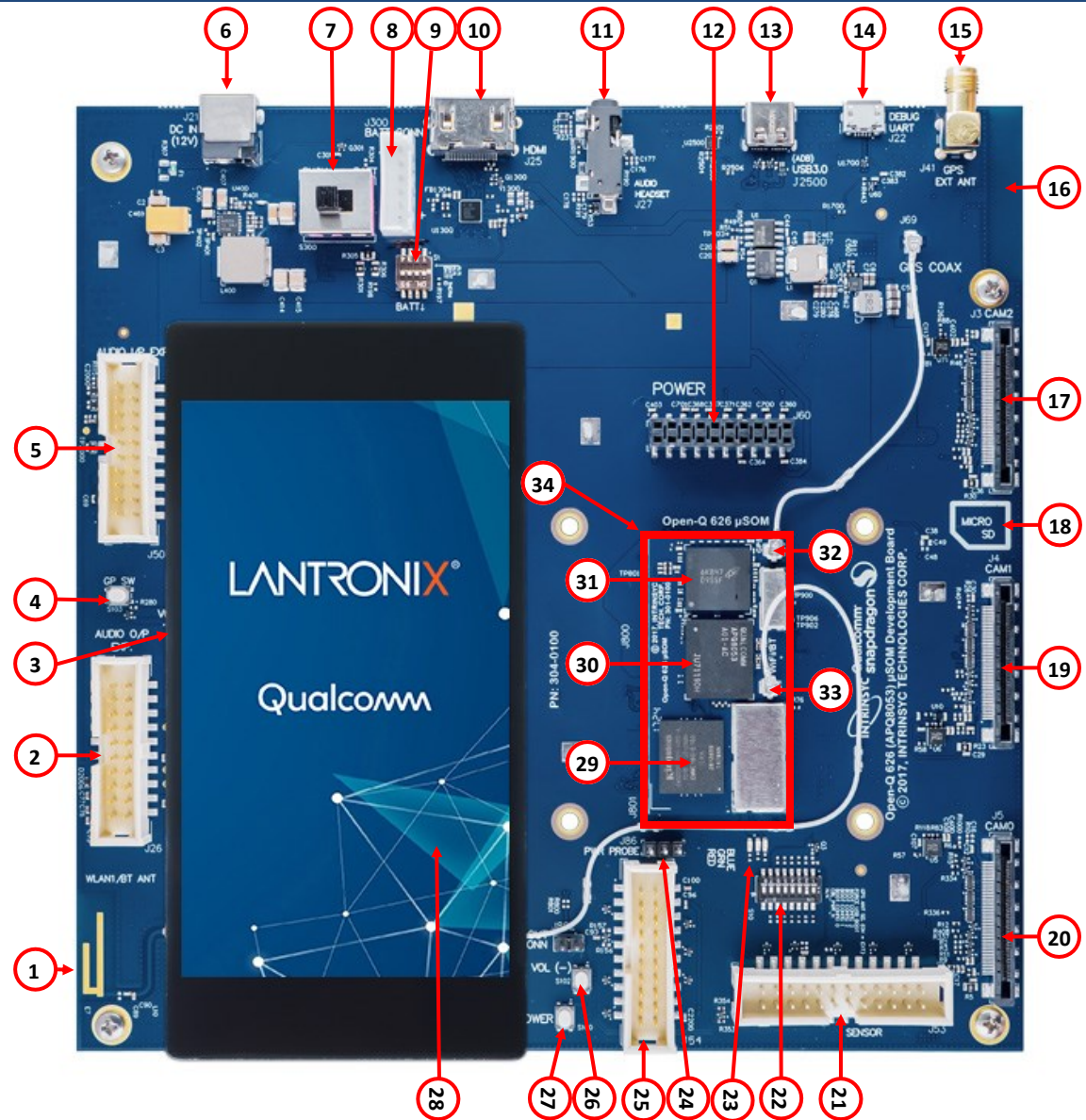
Qualcomm

Package Contents

1. Open-Q™ 626 µSOM with Qualcomm® APQ8053-Pro SoC
2. Open-Q™ 626 Carrier board
3. STEVAL_MKI128V6 sensor accessory board
4. AC Power Adapter
5. HDMI Video Cable
6. 4.5" FWVGA MIPI DSI LCD/touchscreen (optional accessory)

1. WLAN PCB Antenna
2. Audio output expansion header
3. Volume + button
4. General Purpose button
5. Audio input expansion header
6. 12V DC input jack
7. Power source switch
8. Battery connector
9. Battery charge config switch
10. HDMI video output
11. 3.5 mm headset jack
12. Power header
13. USB Type-C connector
14. Debug UART (USB MicroB)
15. GPS ext. ant. SMA connector
16. GPS PCB Antenna (on bottom)
17. MIPI camera 2 connector
18. Micro SD slot (on bottom)
19. MIPI camera 1 connector
20. MIPI camera 0 connector
21. Sensor board header
22. Configuration DIP switches
23. 3 x LEDs

24. SOM power measurement header
25. GPIO expansion header
26. Volume - button
27. Power button
28. MIPI DSI LCD/touchscreen connector to interface with Intrinsyc display adapter
29. 16GB eMMC flash memory
30. APQ8053-Pro
31. 2GB LPDDR3 RAM memory
32. GPS antenna connector U.FL
33. WLAN antenna connector U.FL
34. Open-Q 626 µSOM (micro System on Module)

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Development Kit Setup

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

2. If you do not have the optional LCD then connect the HDMI cable from the development kit (#10) to an HDMI display.

3. Connect the Power Adapter to the 12V DC Jack (#6), then press and hold the power button (#27) for approximately 3 seconds. If using the LCD you will see the boot menu appear first, followed by the Intrinsyc logo as the board boots up. If using HDMI the screen will remain blank for approximately 45 seconds before the Android screen appears.

4. Documentation and software

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

http://tech.intrinsyc.com

Development Kit Support

For more information or assistance, you can contact us at:

https://helpdesk.intrinsyc.com

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

http://www.intrinsyc.com/resources

Should you require additional technical support for your Development Kit you can purchase a block of technical support hours from the Intrinsyc store:

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

Thank you for purchasing the Open-Q 626 Development Kit