LANTRONIX®

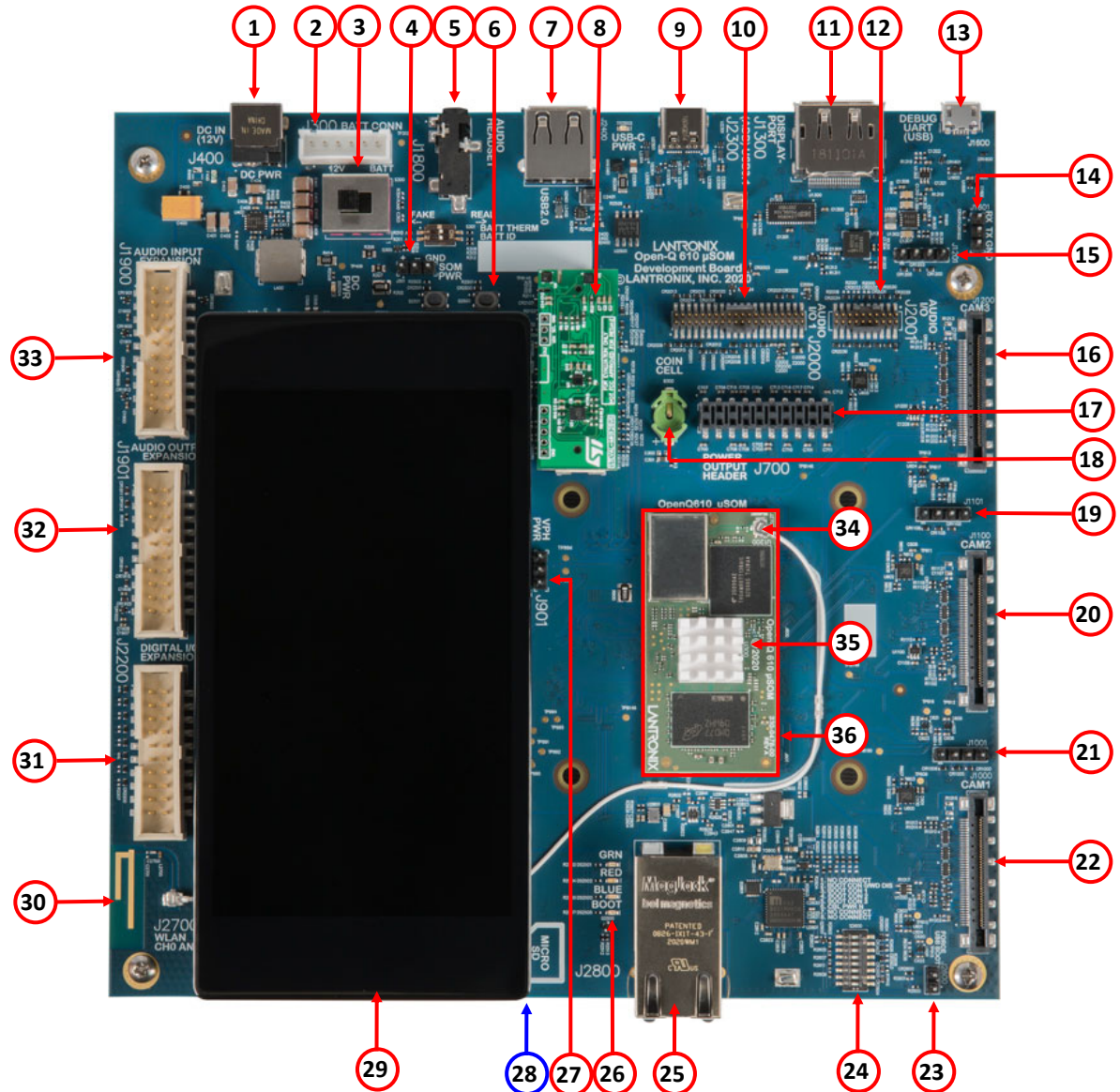# Open-Q™ 610 µSOM Development Kit Quick Start Guide

Qualcomm

Package Contents

1. Open-Q™ 610 µSOM with QCS610 processor
2. Open-Q™ 610 µSOM Carrier Board
3. AC-DC Power Adapter
4. LCD/Touchpanel (Optional)

1. 12V DC power jack
2. Battery connector
3. Power source switch (DC/Batt)
4. SOM current sense header
5. Audio Headset Jack
6. Power button, Volume + button, Volume - / Reset button, General Purpose Button
7. USB 3.0 Type-A Connector
8. ST Sensor Expansion Board
9. USB 3.0 Type-C connector
10. Audio I/O expansion header
11. Display Port
12. Audio I/O expansion header
13. USB debug UART Micro B
14. Debug UART Header
15. Camera Accessory Header
16. MIPI Camera 3 Connector
17. Power Header
18. Coin Cell Battery Holder
19. Camera Accessory Header
20. MIPI Camera 2 Connector
21. Camera Accessory Header

22. MIPI Camera 1 Connector
23. System configuration header
24. System configuration switches
25. RJ45 Gigabit LAN connector
26. System LEDs
27. VPH_PWR current sense header
28. Micro SD socket*
29. Open-Q™ LCD Touch Panel (optional)
30. WLAN/BT Antenna (PCB trace)
31. Digital I/O connector
32. Audio Output expansion header
33. Audio Input expansion header
34. WLAN/BT U.FL Antenna Connector
35. QCS610 CPU
36. Open-Q 610 System on Module (µSOM)

* On Bottom side

Development Kit Setup

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

<u>2. Connect the Power Adapter to the 12V DC Jack (1) and then press and hold the ON/OFF button (5) until you see the boot indicator LED lights (~3 seconds)</u>

<u>3. Documentation and software</u>
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

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Development Kit Support

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

https://www.intrinsyc.com/contact-support

Lantronix 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 Lantronix store:

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

Thank you for purchasing the Open-Q 610 µSOM Development Kit

The Lantronix Team