Open-Q™ µ820 (APQ8096) Development Kit
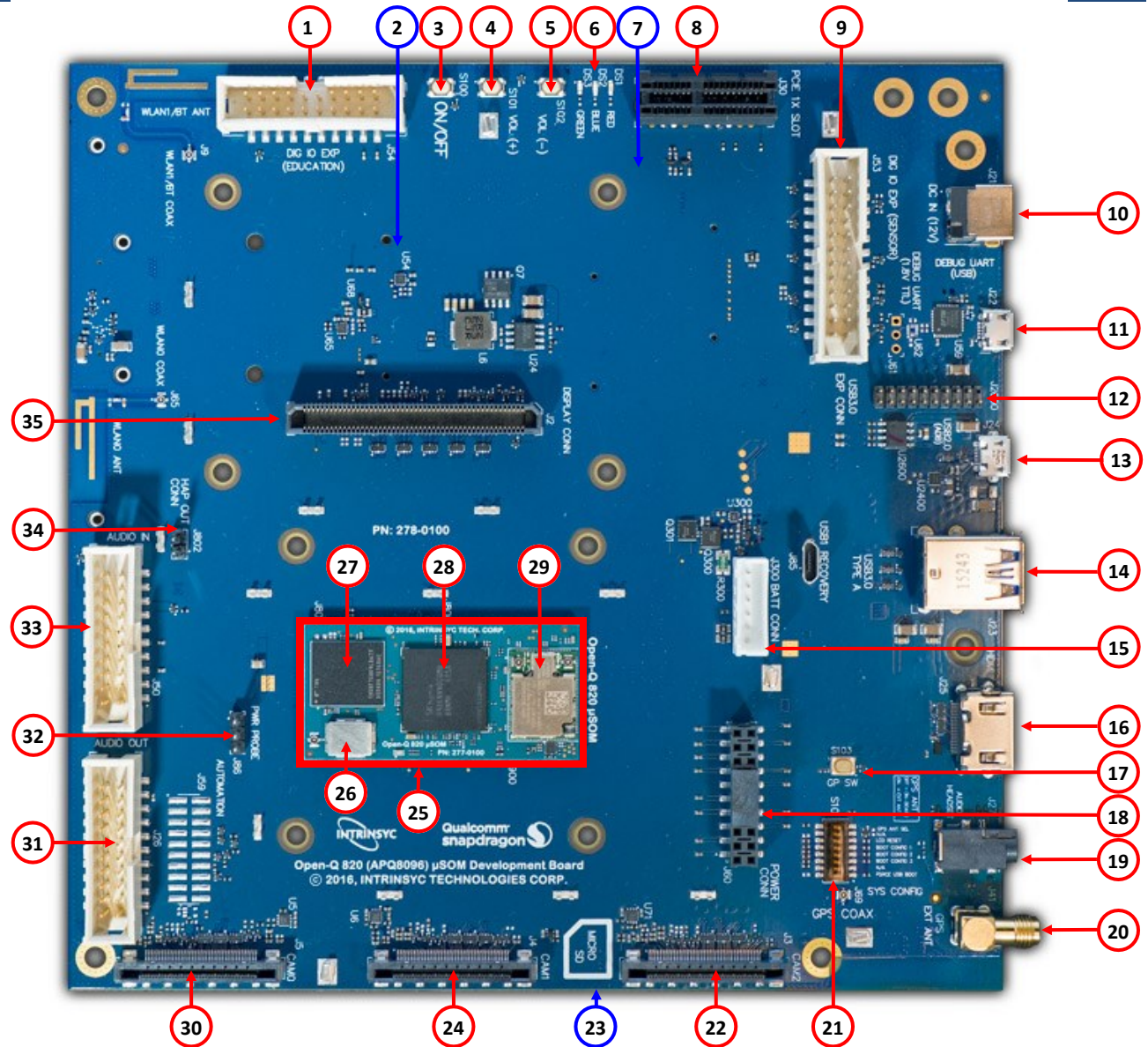# Quick Start Guide

Package Contents

1. Open-Q™ 820 µSOM with APQ8096 processor
2. Carrier board
3. AC Power Adapter
4. 4.5" FWVGA MIPI DSI LCD/touchscreen (additional accessory)

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1. IO Expansion header EDU
2. Mini PCI Express socket *
3. Power button
4. Volume + button
5. Volume - button
6. 3 x LEDs
7. WWAN SIM card slot *
8. PCI Express slot
9. Sensors header
10. 12V DC jack
11. USB debug UART Micro B
12. USB 3.0 Expansion connector
13. USB 2.0 OTG Micro AB
14. Dual stacked USB 3.0 type A
15. Battery connector
16. HDMI out
17. General purpose button
18. Power header
19. ANC 3.5 mm headset jack
20. GPS ext. ant. SMA connector
21. Boot configuration DIP switches
22. MIPI camera 2 connector
23. Micro SD slot *

24. MIPI camera 1 connector
25. Open-Q µ820 System on Module (SOM)
26. GPS module WGR7640
27. 32GB UFS
28. 3GB LP-DDR4 RAM Pop memory on top of Snapdragon APQ8096 processor
29. WLAN module QCA6174
30. MIPI camera 0 connector
31. Audio out header
32. SOM power measurement header
33. Audio in header
34. Haptics output header
35. MIPI DSI LCD/touchscreen connector to interface with Intrinsyc display adapter

* on bottom side

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Development Kit Setup

1. Remove the development kit board carefully from the anti static bag

2. Connect the HDMI cable from the development kit to a display

3. Connect the Power Adapter to the development kit then press once the power button (S100), after approximately 30 seconds the board will boot automatically

4. 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://support.intrinsyc.com**

Intrinsyc Support Server

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Development Kit Support

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

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

Intrinsyc also provides technical information and videos on Snapdragon 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://www.intrinsyc.com/support

Thank you for purchasing the Open-Q µ820 Development Kit

The Intrinsyc Team