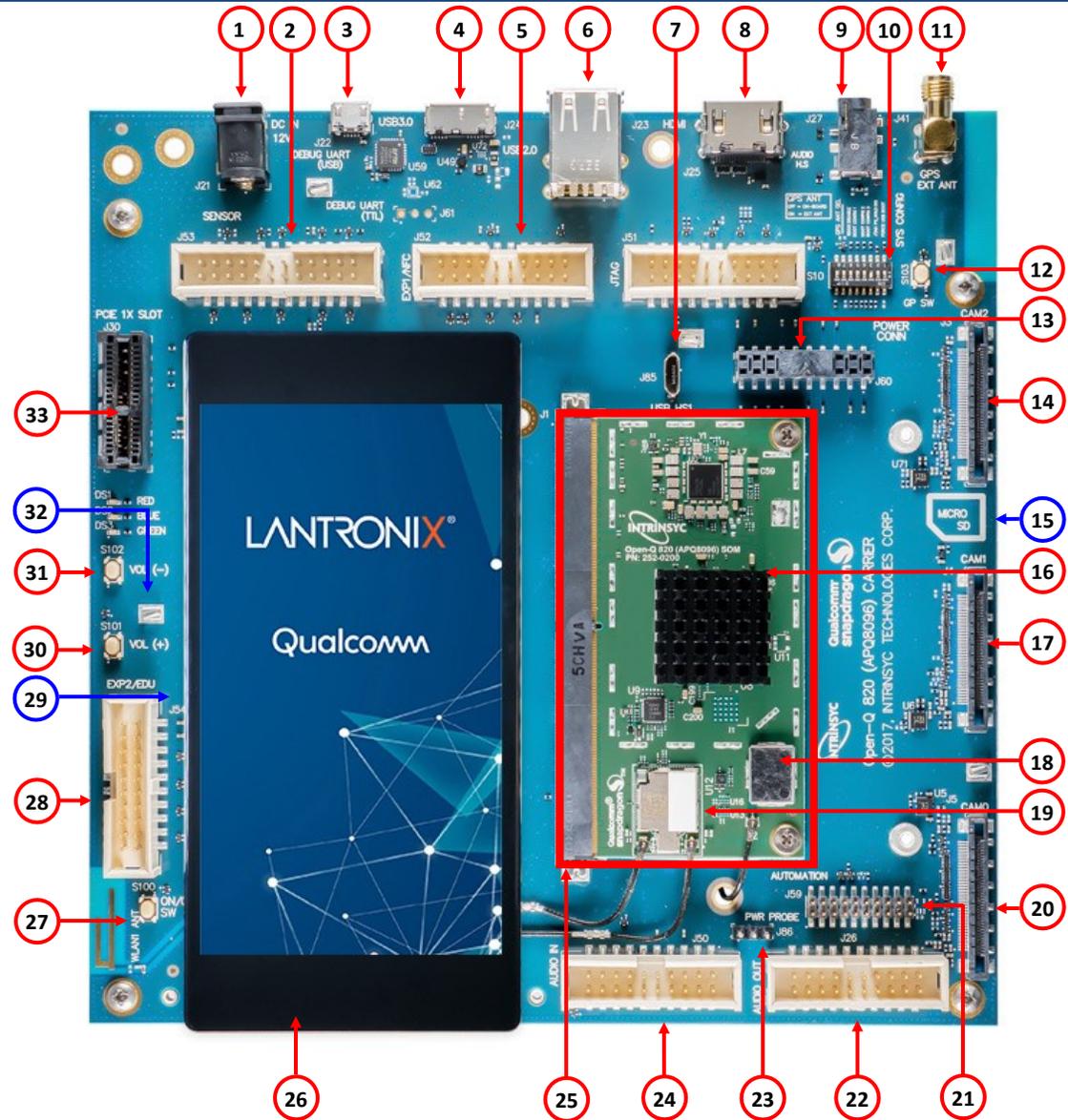


Package Contents

1. Open-Q™ 820 SOM with Qualcomm® APQ8096SG SoC
2. Carrier board
3. AC Power Adapter
4. 4.5" FWVGA MIPI DSI LCD/touchscreen (additional accessory)
5. ST Micro sensor board - STEVAL-MKI128V5 (as quantity last)

- | | |
|--|--|
| 1. 12V DC jack | 20. MIPI camera connector 0 |
| 2. Sensors header | 21. Automation header |
| 3. USB debug UART Micro B | 22. Audio out header |
| 4. USB 3.0 OTG Micro AB (adb / fastboot) | 23. Power probe header |
| 5. Expansion header 1/NFC | 24. Audio in header |
| 6. 2 x USB 2.0 | 25. Open-Q 820 System on Module (SOM) with APQ8096SG |
| 7. USB Micro B (disabled) | 26. 4.5" FWVGA MIPI DSI LCD/ touchscreen |
| 8. HDMI | 27. Power button |
| 9. ANC 3.5 mm headset jack | 28. Expansion header 2/EDU |
| 10. Boot configuration DIP switches | 29. Mini PCI Express socket * |
| 11. GPS ext. ant. SMA connector | 30. Volume + button |
| 12. General purpose button | 31. Volume - button |
| 13. Power connector | 32. WWAN SIM card slot |
| 14. MIPI camera connector 2 | 33. PCI Express slot |
| 15. Micro SD slot * | |
| 16. Heat sink on top of 3GB LP-DDR4 RAM Pop memory on top of APQ8096SG | |
| 17. MIPI camera connector 1 | |
| 18. GPS module WGR7640 | |
| 19. WLAN module/QCA6174 | |
- * on bottom side



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Development Kit Setup

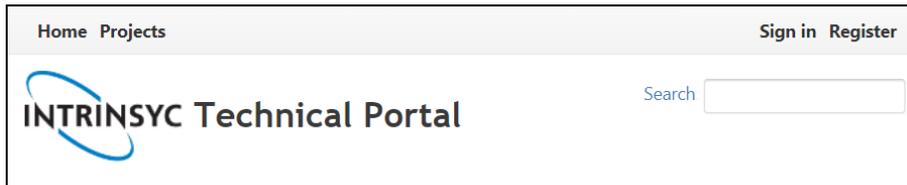
- 1. Remove the development kit board carefully from the anti static bag**

- 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://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 block of technical support hours from the Intrinsyc store:

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

Thank you for purchasing the Open-Q 820 Development Kit