

# Snapdragon™ APQ8060-based DragonBoard™

A powerful and feature-rich development board based on Qualcomm's Snapdragon APQ8060 processor

## Highlights

- Fully loaded Android™
- 2.3 development platform
- Early development platform access
- Adreno™ 220 GPU supports console-quality 3D graphics
- Full suite of sensors and cameras
- Robust integration capabilities



## Overview

DragonBoard, an Android development platform based on the Qualcomm® Snapdragon APQ8060 processor provides application developers and device makers with early access to a fully-loaded Android development platform. The Board delivers the benefits and power of the APQ8060 processor in a flexible development environment.

DragonBoard is a powerful, feature-rich development board that offers exposed connectors, adapters and expansion headers including JTAG, Ethernet and Mini-USB. These features provide deep levels of development, testing and expansion that allow OEMs to do early prototyping of APQ8060 based systems, component suppliers to integrate devices with the APQ8060 processor and Android application developers to create innovative applications for the growing open source development community.

Combined with Bsquare products and services, DragonBoard enables developers using Snapdragon processors for their mobile and embedded device solutions to accelerate development, testing and optimization of Android applications and components.

## Bsquare Services & Support

Bsquare can help enable your Android development project with end-to-end development and testing services.

**Platform Consulting:** Architecture consulting services from Bsquare provide support for the solution design phase; identifying the best platform solution to meet project requirements.

**User Interface Solutions:** Create innovative user experiences with Bsquare expertise in Adobe® Flash®, HTML5 Rendering Engine, Custom WebKit Ports and embedded user interface development.

**Application Development:** With support from Bsquare, application developers and device manufacturers can develop, test and deploy best-in-class applications that showcase the rich multimedia and graphics-intensive experiences today's end users demand.

**Automated Testing Tools:** With best-in-class test automation tools from Bsquare, mobile and wireless device manufacturers and application developers can decrease test cycle time, increase test coverage, improve test accuracy, accelerate new products to market and ensure a quality end user experience.

**Support:** Bsquare extended support services are available to application developers, OEMs and component suppliers using the DragonBoard. Keep projects on track with support that includes phone, email and 24/7 access to the Bsquare Knowledge Base.

## Technical Specifications

APQ8060 dual core processor

PMICs (PM8058+PM8901)

1500mAH battery

Display (3.61" WVGA)

Multi-touch capacitance sense touch screen

Daughter cards

- Connectivity card
  - Qualcomm WCN1314 WLAN
  - Qualcomm WCN2243 BT
- Sensor card
  - Pressure and temperature
  - 3-axis accelerometer
  - 3-axis gyro
  - Proximity and ambient light
  - 3-axis compass

Cameras

- 5MP "main" camera
- 1MP camera for video telephony

Keypad

Connectors

- 20pin JTAG card
- DE-9F RS-232
- Mini-USB port
- 2x SIM
- 2X SDIO
- RJ-45 Ethernet
- 3.5mm TRS Stereo Audio

Test points

- MIPI-CSI (camera)
- MIPI-DSI (display)
- GPIOs
- Parallel bus (EBI2)

Distributed and supported by Bsquare, the DragonBoard is available for purchase at [bsquare.com](http://bsquare.com). Bsquare assists device makers and application developers with products and services that support Android application development. With platform consulting, application development, automated software and hardware testing, user interface development and training solutions, Bsquare helps companies get their solutions to market faster with less risk.

## Why Bsquare?

Bsquare is a leading enabler of smart, connected devices with a dedicated engineering consulting practice and deep technical knowledge of Android and other leading platforms, as well as diverse, vertical market expertise.

An extensive partner network enables Bsquare to provide a wide range of industry leading licensing and product support solutions for our customers. And, strong partnerships with silicon vendors allow Bsquare to provide specific optimization and extensions for Texas Instruments™ OMAP™, Qualcomm Snapdragon™, Freescale™ i.MX and other ARM chipsets.

Leading companies work with the highly experienced Bsquare team to accelerate time-to-market, reduce risk, optimize system performance and lower overall project costs. Contact Bsquare today to learn more about how our solutions can facilitate your next project.

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For more information, please visit [www.bsquare.com](http://www.bsquare.com). Or email us at [sales@bsquare.com](mailto:sales@bsquare.com)

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## At Bsquare

Bsquare is a solution provider to the global embedded device community. Our teams collaborate with OEMs at any stage in their device development to bring quality products to market faster. Since 1994, Bsquare has been a trusted partner to smart device makers worldwide.

### Bsquare Headquarters

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