

## The Next Generation of High Performance Mobile Processing

Intrinsyc's DragonBoard Development Kit is a full featured Android™ development platform that provides an ideal starting point for creating high-performance embedded and handheld devices. Based upon QUALCOMM's powerful Snapdragon 800 Series 8074 quad core processor, the DragonBoard Development Kit includes all of the software tools and accessories required to immediately begin development work.

The platform is a kitted solution for application developers and OEMs to evaluate, develop, test, and deploy applications that utilize QUALCOMM's Snapdragon 800 Series technology. It is comprised of the OPEN-Q™ main board which is a complete System-on-Module (SoM) as well as a Carrier board (mini ITX form factor).

The BSP's are integrated into well-known development environments and run right out of the box with comprehensive driver support.

The DragonBoard Development Kit is a perfect building block for developing high performance solutions in the following verticals:

- Ruggedized Tablets
- Digital Signage
- Government/Public Safety
- Medical
- Robotics
- Wearable Displays
- Video Streaming/Conferencing



## FEATURES

The DragonBoard Development Kit incorporates quad core high performance up to 2.3 Ghz Krait CPUs, a powerful multimedia engine, encode/decode 1080p HD @120hz, support for 2 x 2K displays or 1 x 4K display, Wi-Fi, Bluetooth, USB 2.0 & 3.0, Gigabit Ethernet connectivity, support for sensors, 2 x Camera ISP engines, and up to 30MP camera support.

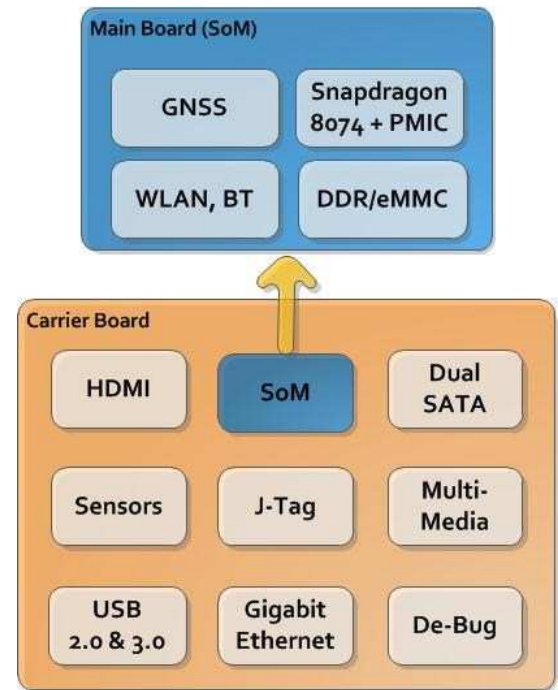
## BENEFITS

The benefits of the Snapdragon 8074 and the DragonBoard Development Kit include:

- Quad core with 2.3 Ghz per core
- Best performance versus power consumption (DMIPS/mW)
- Adreno 330 GPU, Rich Multimedia with QDSP6
- Comprehensive Peripheral Support
- Multiple OS Options



## DRAGONBOARD DEV KIT



### Comprehensive Solution for Evaluation

Intrinsyc is committed to providing our customers with effective solutions including offering all of the accessories and software required to have a complete solution up and running in a very short time.

### Development Kit Description

- OPEN-Q Main Board SoM with Snapdragon 800 Series 8074 Processor (Qseven form factor)
- Carrier Board (Mini-ITX Form Factor)
- Power Supply
- Quick Start Guide, Licence Agreement
- Access to documentation and platform BSP
- Optional Peripheral Kit: Camera and Sensors

### Intrinsyc Services

As a licensee for Qualcomm's 8074 application processor, Intrinsyc can provide a quick path to production with the Open-Q 8074 System on Module that is incorporated into the DragonBoard Development Kit, or we can build a customized SOM or Single Board Computer (SBC) to meet your specific requirements.

Intrinsyc provides wide-ranging development and project management services to customers building embedded and mobile devices worldwide. With over 400 embedded programs successfully delivered, Intrinsyc has the hardware and software expertise to make your Snapdragon design a success. Services range from proof-of-concept, prototyping, use case optimization, and testing through to final production. Our significant experience helps customers deliver leading edge mobile and embedded products to market faster with reduced cost and risk.



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### Hardware

- Processor: Snapdragon 8074 ARMv7 Quad Core 2.3 GHz
- PMIC with battery support (optional)
- Memory: 2GB of LPDDR3 RAM, 16GB of eMMC
- Connectivity: Wi-Fi 802.11ac, Bluetooth 4.0, Gigabit Ethernet, GNSS
- Display: HDMI out and qHD LCD with capacitive touch
- Audio: 5.1 channel, 3.5 headset and microphone
- Connector: USB OTG, USB Host 2.0 & 3.0, UART, JTAG
- External storage: Micro SD, SATA
- Camera support (optional)
- Sensors support: compass, gyro, accelerometer, etc. (optional)

### Software

- Android 4.2

To order the following products:

**DragonBoard Development Kit**

**OPEN-Q System On Module**

Go to [www.intrinsyc.com/dragonboard](http://www.intrinsyc.com/dragonboard)