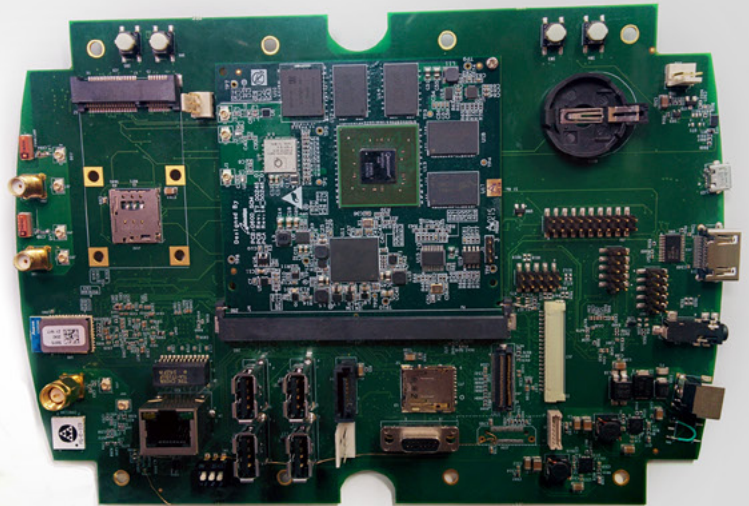


# Eragon600 Development Kit



Based on the Qualcomm® Snapdragon™ 600 Processor



**eragon**  
600

\*Product image for illustration purposes only. Actual product may vary

## Snapdragon Official Licensee

eInfochips is an official licensee for the Qualcomm® Snapdragon™ 600 processor, a product of Qualcomm Technologies, Inc. (QTI), enabling us to have direct support from QTI for product design and development. We also have access to proprietary technology and code components.

## eInfochips Eragon600 SoM

The eInfochips Eragon600 SoM is a high performance, ultra small and production ready solution for system designers. It provides high performance computing on an 82mm x 78mm form factor with standard I/O options. It is available with support for Linaro Linux as well as Android 5.0 (Lollipop).

## Eragon600 Development Kit

Eragon600 Dev Kit is based on eInfochips Eragon600 SoM, to benchmark performance and accelerate development. The kit comes with multiple carrier board flavors, accessories, power supply and a quick start guide.

## Advantage eInfochips

- 20 years of experience in system design
- 1400+ professionals for HW and SW design
- 30+ B\$ corporations as customers
- 10 design centres in USA and India
- 500+ products across applications
- 200+ designs on Android and Linux
- ISO 9001 and CMMi L3 compliant processes

## eInfochips Design Services

eInfochips has designed more than 500 products for top global corporations across USA, Europe and Asia. Today, more than 1400 professionals operate from 10 design centres to deliver excellence and innovation through our CMMi L3 and ISO9001 compliant processes.

## Snapdragon 600

The Snapdragon 600 comes with a Qualcomm® Krait™ 300 CPU from QTI with an advanced ARMv7 Compliant Architecture. It has a Qualcomm® Adreno™ 320 GPU, a product of QTI, 2GB DDR3, Qualcomm® Hexagon™ DSP, a product of QTI, for audio processing and a dedicated HW Core for video processing.

Smart Homes

Medical Devices

Video Cameras

Domestic Robots

Industrial Automation

In-Vehicle Infotainment

Video Recorders

Digital Signage

Personal Entertainment

IP TV Solutions

Video Conferencing

## Eragon600 Series of products based on the Qualcomm® Snapdragon™ 600 Processor

Eragon600 SoM is available in two variants. The high performance EIC-Q600-200 comes with 2 GB on-board memory, while the economical EIC-Q600-100 comes with 512 MB on-board memory.

Both these SoMs are compatible with three variants of the carrier card. The EIC-Q600-210 has the basic interfaces required for multimedia and communication enabled designs. The EIC-Q600-220 comes with additional interfaces for wireless communications Sim card and audio I/O, among others. The EIC-Q600-230 is a complete development solution with advanced interfaces, stable chassis and an LCD display.

All Eragon600 kits support Android and Linux packages.

	Dual LVDS	mPCIe	SIM Card	SATA	Speaker AMP
GPS Antenna	LVDS 0	MicroSD	HDMI	Serial Expansion	Analog MIC
GPS Connector	USB-OTG	RS232 Debug	Headset Jack	Audio Codec	Digital MIC
USB	2x USB	EIC-Q600-100 SoM (512 MB) OR EIC-Q600-200 SoM (2 GB)		MIPI CSI0	Speaker OUT
USB	Ethernet			MIPI CSI1	ZigBee
Wi-Fi Ext. Antenna	Wi-Fi Antenna	RTC Cell	JTAG	Wi-Fi + BT Antenna	Wi-Fi + BT Ext. Antenna

Chassis	LCD Screen
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- SoM Variants
- EIC-Q600-210 Dev Kit
- EIC-Q600-220 Dev Kit
- EIC-Q600-230 Dev Kit



### Specifications\*

#### Processor, GPU and Memory

Snapdragon 600 Processor  
 Quad-core Krait 300 CPU @ 1.7GHz per core  
 2GB on-board PCDDR3, up to 533 MHz  
 Enhanced ARMv7 Compliant Architecture  
 Adreno 320 (QXGA/1080p)

#### Operating Conditions

Operating Supply Voltage 4.5-5.5V  
 Minimum Temperature -20°C (-4°F)  
 Maximum Temperature 70 °C (158 °F)  
 Operating Humidity 10 to 90 %RH

\* Subject to change

### eInfochips Services

- Feasibility Study and POC
- Electronic Design
- OS Migration and BSP
- Device Driver Development
- Performance Optimization
- Multimedia Integration
- Product QA and Certification
- Prototype and Production
- Feature Enhancement
- Customization and Localization
- Sustenance and Reengineering

#### Eragon600 kit includes:

- Eragon600 SoM
- Carrier card
- Linux SDK
- Android SDK
- Quickstart Guide
- Power Supply

#### Ordering Information

[www.einfochips.com/qualcomm](http://www.einfochips.com/qualcomm)

#### Support

[qcsupport@einfochips.com](mailto:qcsupport@einfochips.com)

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HQ: Sunnyvale, CA, USA

Tel: +1-408-496-1882

[marketing@einfochips.com](mailto:marketing@einfochips.com)

[www.einfochips.com](http://www.einfochips.com)



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