



Wi-Fi® PHONE REFERENCE DESIGN

FEATURES

- **Highly integrated Wi-Fi Phone Reference based on two chip solution**
 - BCM1160: Mobile VoIP Processor
 - BCM4318: Single-chip 802.11b/g baseband, MAC, Radio
- Large 18-bpp, 64K-color LCD display
- VGA camera
- xChange™ VoIP software
- SIP Call Signaling stack
- OneDriver™ for 802.11 networking
- WPA/WPA2 wireless LAN security
- WMM wireless LAN QoS
- SecureEasySetup™ Push-Button Wi-Fi Setup and Security Configuration
- Example Phone Application
- Board support package including Linux® kernel and drivers
- Software development tool chain

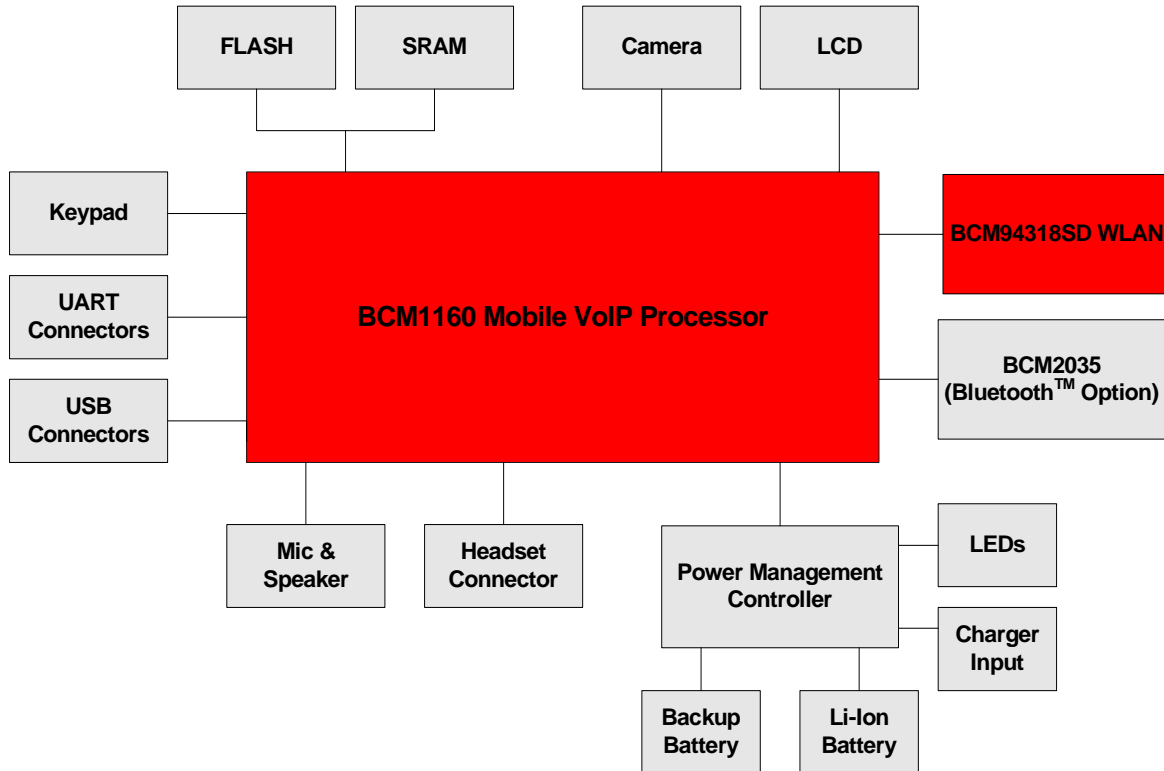
SUMMARY OF BENEFITS

- Accelerates time to market by providing a fully-functional hardware and software platform for customers to use as basis for their own product designs.
- Difficult problems – like RF layout & power management – are already solved.
- SecureEasySetup Push-button setup makes joining a Wi-Fi network fast and easy.
- Open ARM9® and Linux OS-based platform provides a foundation for OEM/ODM differentiation through unique features.
- Details how to use Broadcom's two chip phone solution to minimize BOM cost through reduction in support circuitry.

Wi-Fi Phone Kit



OVERVIEW



The BCM91160 Wi-Fi Phone Reference Design demonstrates how Broadcom's highly integrated VoIP/WLAN chipset can be used to develop a cost-effective phone for residential and enterprise applications. This chipset is comprised of the BCM1160 Mobile VoIP Processor and the BCM4318 single-chip 802.11b/g baseband, MAC and Radio device.

The Wi-Fi Phone reference design consists of a complete hardware and software package to help accelerate time to market for developers. The hardware package comes complete with schematic, bill of material (BOM) and Gerber files.

The BCM91160 Wi-Fi Phone Reference Design also comes bundled with a standards compliant software package.

The BCM91160 Software Package

Major software components of the BCM91160 Wi-Fi Phone reference design include xChange™ VoIP software, SIP Call Signaling, OneDriver™ 802.11 Networking software, Linux OS-based board support package and software development tools.

Related Devices

BCM1160	Mobile VoIP Processor
BCM4318	AirForce™, OneChip™ with integrated 802.11b/g Baseband, MAC, and Radio.
BCM94318SD	OneChip™ 802.11b/g SDIO Module.
BCM2035	Single-chip Bluetooth™ Baseband, MAC, and Radio.

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