

MSM6000™ Chipset Solution

Affordable, accessible 3G wireless for all

The QUALCOMM® Value Platform has been designed to expand the market for voice and data services by offering affordable chipsets that support 3G CDMA2000® 1X and WCDMA (UMTS), with backward compatibility for 2G standards. Now basic color screens, position-location services, music, ringtones and voice-recognition features will be available to a much wider market.

The Value Platform can offer a vast audience of handset users — including those new to wireless — their first taste of the power of 3G networks, creating lucrative opportunities for manufacturers and operators alike. The integrated chipset design of the Value Platform allows manufacturers to quickly and cost-effectively bring handsets to market, while the integrated selection of Launchpad™ suite of integrated technologies enables operators to provide entry-level customers with exciting new services that encourage voice and data usage and ultimately increase average revenue per user (ARPU).

The Value Platform creates a seamless path to move customers up to 3G networks. Using QUALCOMM's proven, reliable wireless technology, manufacturers and operators can offer a range of entry-level phones with more features, at less cost than ever before.



NOW BASIC COLOR SCREENS, MUSIC, RINGTONES AND VOICE-RECOGNITION FEATURES WILL BE AVAILABLE TO A MUCH WIDER MARKET.



PERFORMANCE

Efficient design to cut manufacturing costs and time to market

- Air interfaces supported:
 - CDMA2000 1X (Release 0)
 - IS-95 A/B
- High-performance ARM7TDMI® microprocessor
- Embedded QDSP2000™ digital signal processor core for voice coding
- 3.0 V memory interface
- Integrated narrowband mono voice codec
- 208-pin fine-pitch ball grid array (FBGA) package
- Peak rates of 14.4 kbps data in forward and reverse links simultaneously
- Open BREWapi™ software for developing handset UI and BREW® applications

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The Mobile Station Modem™ (MSM™) MSM6000™ chipset solution for CDMA2000 1X helps cut the costs to produce entry-level data-enabled devices for emerging markets worldwide. And by incorporating both digital and analog functions in a single chip, manufacturers can benefit from reduced bill-of-materials costs.

TECHNOLOGY FOR INDISPENSABLE HANDSETS

Popular features that meet consumer demand and boost airtime usage

- SMS capability to tap into enormous market for text messaging
- Removable User Identity Module (R-UIM) system solution to seamlessly share user information and data features on a removable smart card
- MIDI Synthesizer (12 polyphony)
- Color LCD interface support
- PureVoice® Audio AGC (automatic gain control) for better calls, especially under noisy conditions





OPTIMIZED RF AND PMIC SOLUTIONS

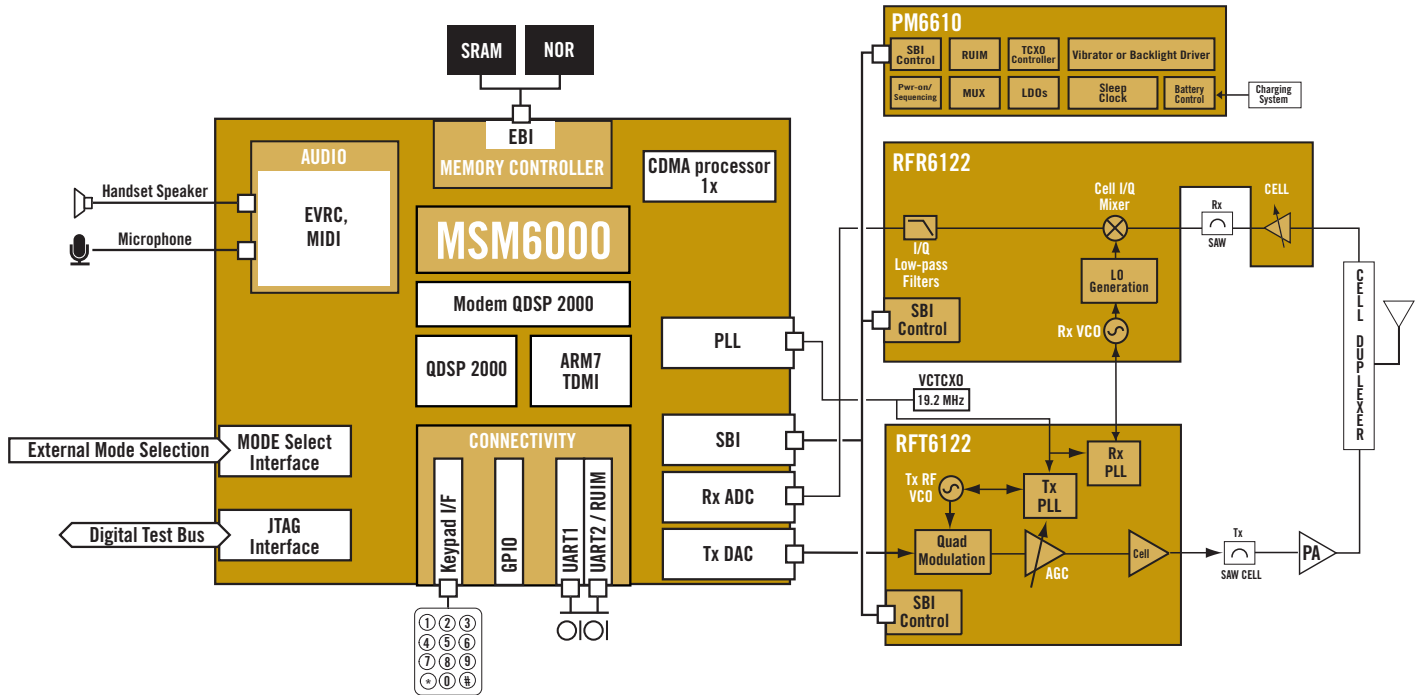
QUALCOMM's radioOne® zero-IF radio frequency and powerOne™ power management solutions are optimized for our MSM chipsets for high-efficiency, price-competitive wireless devices. Expect a higher return on investment with our integrated solution — fewer discrete parts means lower development costs, lower BOM costs and ultimately lower handset costs. With our innovative RF CMOS processing technology and lead-free packaging solutions, handset manufacturers can be confident that wireless devices based on our complete solutions will be power efficient, dependable and cost competitive.



MSM6000 | AVAILABLE RF & PM CHIPSET COMBINATIONS

RF Chipset Configurations		RFR6155™ RFT6150™	RFL6000™ RFR6000™ RFT6100™	RFR6120™ RFT6102™	RFR6120™ RFT6120™	RFR6170™ RFT6170™	RFR6122™ RFT6122™
Power Management IC		PM6620™	PM6620™	PM6620™	PM6620™	PM6620™	PM6620™
CDMA2000	450 MHz					■	
	CELL 850 MHz	■	■	■	■		■
	JCDMA 800 MHz	■	■	■	■		
	KPCS 1800 MHz	■	■				
	PCS 1900 MHz	■	■				

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Go Online

CHIPSET COMPARISON ONLINE TOOL

Please visit www.cdmatech.com/valueplatform to view the chipset comparison tool that details specific chipset features.

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