

CONVERGENCE	
ENHANCED MULTIMEDIA	
MULTIMEDIA	
VALUE	

MSM6225™ 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, 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 features 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.



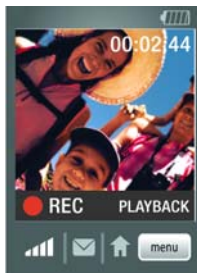
PERFORMANCE

Maximize design and development potential

- Air interfaces supported:
 - WCDMA (UMTS) R99
 - GSM/GPRS class B
- High-performance 146 MHz ARM926EJ-S™ microprocessor core with memory management unit (MMU)
- QDSP4000™ high-performance digital signal processors (DSP)
- QVM™ Java® environment platform with multitasking virtual machine (MVM) and ARM's Jazelle™ Java acceleration speeds execution of multiple, concurrent games and applets
- Enhanced memory support for NAND, NOR, PSRAM and SDRAM
- Advanced 0.5 mm pitch packaging technology
- Open BREWapi™ software for developing handset UI and BREW® applications

MSM6225™ Chipset Solution

The Mobile Station Modem™ (MSM™) MSM6225™ chipset and system software solution for WCDMA (UMTS) networks is an entry-level, single-chip solution that makes wireless multimedia accessible. Depend on the MSM6225 solution to develop 3G devices that boast wireless multimedia features that can be produced at attractive price points to drive mass-market appeal.



VIDEO

Wireless video solutions for fast-action infotainment

Qtv™ Decoder

- High-performance video player powers streaming video- and audio-on-demand plus video messaging at 15 fps QCIF
- Video Codecs: MPEG-4, H.263, H.264, Windows Media®
- Audio Codecs: AMR-NB, AAC, aacPlus™ and Enhanced aacPlus, Windows Media and RealNetworks®

CONNECTIVITY

Connection with indispensable consumer electronics

- Universal serial bus (USB) functionality
- SecureMSM™ security suite v1.0: includes support for Open Mobile Alliance™ (OMA) DRM, SIM-lock and IMEI integrity
- Integrated Bluetooth® baseband processor for wireless connectivity to peripherals





IMAGING

Integrated digital-still camera interface

- Qcamera™ software with 15 fps QCIF viewfinder resolution
- Support for 1.3 megapixel camera sensors
- Hardware-based Image Signal Processor and JPEG encoder
- Full image processing capabilities, including color correction, crop, resize, rotation, image blurring and sharpening, image overlay, picture frame support and visual noise reduction



AUDIO

Outstanding audio performance with support of industry-wide codecs

- Support for stereo output up to 48 kHz
- PureVoice® Audio AGC (automatic gain control) for better calls, especially under noisy conditions
- Digital audio support for MP3, AAC, aacPlus and Enhanced aacPlus
- CMX™ multimedia software for customized ringtones, screensavers and greeting cards:
 - MIDI-based voice (up to -72 polyphony)
 - Playback support for compact MIDI, General MIDI, SMAF™ (audio only), SP-MIDI, XMF/DLS and MFI
 - Scalable Vector Graphics (SVG) Tiny
- Supports Windows Media Audio and RealNetworks Audio
- QUALCOMM Audio Post Processing Functionality



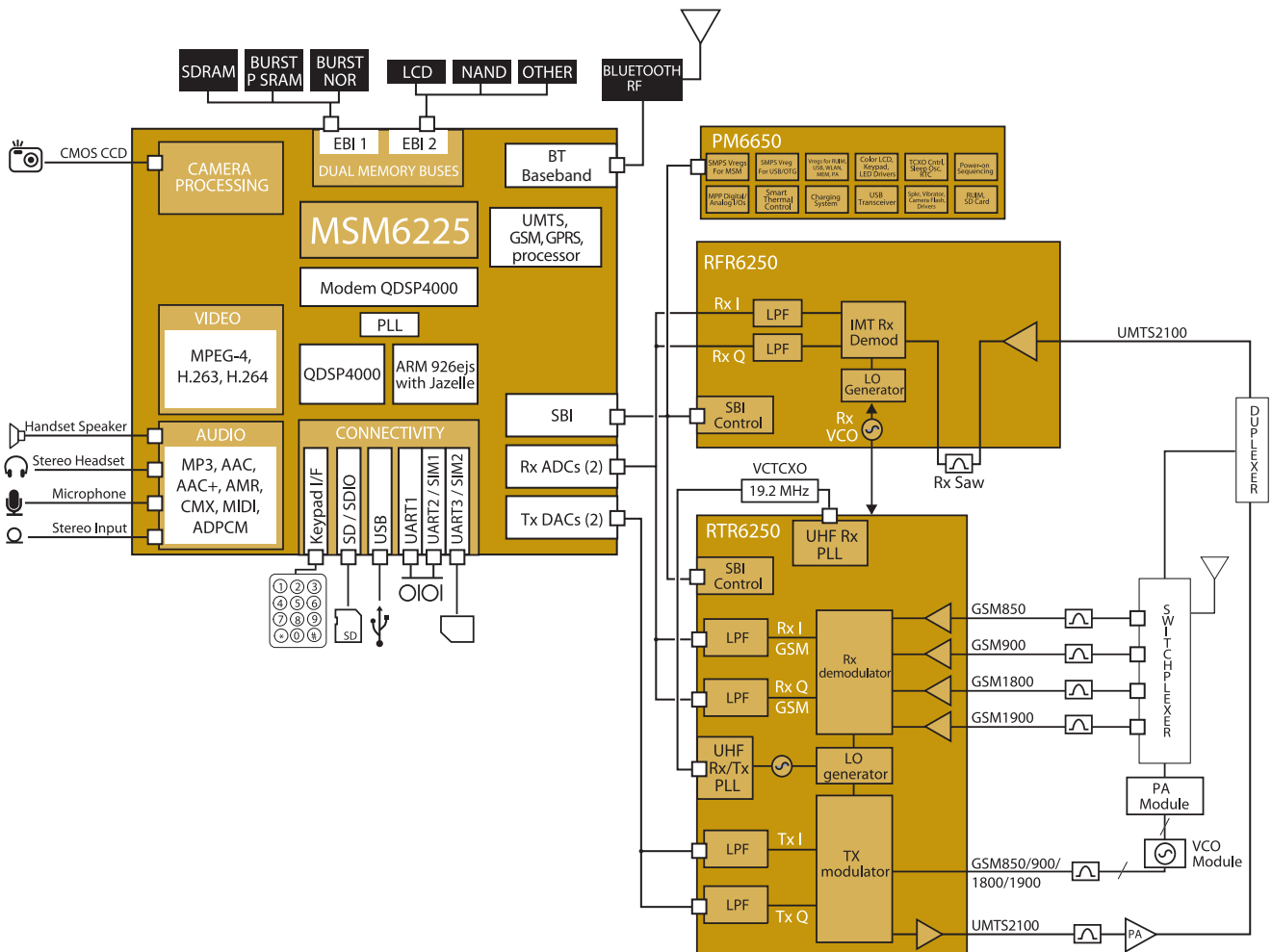
OPTIMIZED RF AND PMIC SOLUTIONS

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 on select chipsets 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.

MSM6225 | AVAILABLE RF & PM CHIPSET COMBINATIONS

RF Chipset Configurations		RFR6250™ RTR6250™
Power Management IC		PM6650™
GSM	900 / 1800 MHz	
	850 / 900 / 1800 / 1900 MHz	■
UMTS	2100 MHz	■
	2100 + 800 MHz	
	1900 + 850 MHz	
	2100 + 1900 + 850 MHz	

MSM6225™ Chipset Solution



Information shown in this document is only exemplary of QUALCOMM products. QUALCOMM reserves the right to make changes, at any time and without notice, to its products that may cause its products to differ from the information shown in this document.

Go Online

CHIPSET COMPARISON ONLINE TOOL

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

© 2006 QUALCOMM Incorporated. All rights reserved. QUALCOMM, BREW and radioOne are registered trademarks of QUALCOMM Incorporated. SecureMSM, Mobile Station Modem, MSM, MSM6225, QDSP4000, QVM, Qcamera, CMX, Qsynth, powerOne, QConcert, RFR6250, RTR6250 and PM6650 are trademarks of QUALCOMM Incorporated. Microsoft and Windows Media are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries. Bluetooth and the Bluetooth logos are trademarks owned by Bluetooth SIG, Inc., USA. Java is a registered trademark of Sun Microsystems, Inc. in the United States and other countries. ARM, Jazelle and ARM926EJ-S are trademarks or registered trademarks of ARM Limited. Synthetic music Mobile Application Format and SMAF are trademarks of Yamaha Corporation of America. aacPlus is a trademark of Coding Technologies. Open Mobile Alliance is a trademark of Open Mobile Alliance Ltd. CDMA2000 is a registered certification mark of the Telecommunications Industry Association. Used under license. All other trademarks and service marks are the property of their respective owners. Data subject to change without notice.

MSM6225_7/2006 Rev. F (ACL1065)