The QSC6270™ solution will help drive the rapid adoption of high-speed mobile broadband around the world as the world's first single-chip solution supporting HSDPA/WCDMA (UMTS) and GSM/GPRS/EDGE networks. A complete system solution with integrated video, audio, graphics and multimedia capabilities, the QSC6270 solution enables sleek, must-have devices that reflect smart design without compromising on power and functionality.

As part of the QUALCOMM Single-Chip (QSC) family, the QSC6270 solution integrates four functions that typically require separate ICs—baseband modem, RF transceiver, power management, and multimedia processor—into a single chip. This unsurpassed level of integration offers device manufacturers the benefits of lower bill-of-material (BOM) costs, significant board-area savings, and simplified design for shorter time-to-market. Manufacturers who use QSC solutions can offer devices with smaller, sleeker form-factors that offer a wide range of in-demand features at lower price points—all with significant power savings. Stylish designs with broadband data rates and compelling wireless multimedia capabilities ranging from 3.0 megapixel camera for album-quality snapshots, easy-to-use MP3 tunes and more, can now be available in the mass-market tier.

**QSC6270™ Single-Chip Solution**

Mainstream mobile broadband expands globally with industry's first single-chip solution for HSDPA and WCDMA (UMTS) networks

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The QSC6270 single-chip solution for HSDPA/WCDMA (UMTS) and GSM/GPRS/EDGE networks will take mobile broadband mainstream. Depend on the QSC6270 solution to develop sleek, sophisticated 3G devices that boast blazing data speeds, high-quality multimedia features and attractive price points to drive mass-market adoption.

**GRAPHICS**

True 3D graphics for rich wireless gaming and advanced GUIs
- Advanced 2D/3D graphics support with up to 50,000 3D triangles per second, and 400,000 3D textured pixels per second fill rate
- Q3Dimension™ rendering engine with OpenGL® ES-compliant 3D graphics
- Supported by leading third-party game titles
- Up to 176 pixels x 220 pixels resolution

**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 QVGA streaming and 30fps playback
  - Video Codecs: MPEG-4, H.263, H.264, Windows Media® and RealNetworks®
  - Audio Codecs: AMR-NB, AMR-WB, AMR-WB+, AAC, aacPlus™ and Enhanced aacPlus, Windows Media and RealNetworks
- Qvideophone™ Video Conferencing Application
  - Two-way mobile videoconferencing solution that delivers 15 fps quality
  - 3GPP/2 standards compliant
  - Video Codecs: MPEG-4 and H.263
  - Audio Codecs: AMR-NB
- Qcamcorder™ Encoder
  - A real-time wireless video recording solution that captures movies at 15 fps QVGA
  - 3GPP/2 standards compliant
  - Video Codecs: MPEG-4, H.263, and H.264
  - Audio Codecs: AMR-NB

**POSITION LOCATION**

Highly accurate positioning for location-based services (LBS)
- Next-generation gpsOne® Assisted-GPS solution, with an enhanced GPS engine for greater sensitivity and faster start times
- Enhanced filtering software optimizes GPS accuracy and availability for tracking and satellite navigation applications
- Full integration with Java and BREW-based development environments to support commercially deployed location services
- Support for MS-Assisted and MS-Based modes, and Standalone GPS mode which enables off-network support
- Support for UMTS Control Plane, GSM Control Plane and OMA SUPL 1.0 User Plane Assisted-GPS protocols

Please visit www.cdmatech.com/chipcompare to view the chipset comparison tool that details specific chipset features.
The QSC family of chips includes QUALCOMM’s radioOne® zero-IF radio frequency and powerOne™ power management solutions, which are optimized for high-efficiency, price-competitive wireless devices. The complete power management functionality includes better management, voltage regulation, general housekeeping and user-interface components. This level of integration sets a new standard in enabling handset manufacturers to realize significant Printed Circuit Board (PCB) area reduction to enable lower cost and smaller handset form factors.

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.