

U335

Entertaining the global population

The U335 combines high-speed connectivity with state-of-the-art multimedia capabilities in a compact package, targeting mass market consumer devices. The U335 is designed to offer a rich user experience at an affordable price. It offers advanced multitasking capabilities ranging from 8-Mpixel camera to seamless mobile TV, and features enabling stunning 2D/3D user interfaces and games.



U335 HIGHLIGHTS

Outstanding multimedia performance

- Strong video performance supporting MPEG-4/H.264 encode/decode VGA
- Professional 8-Mpixel camera providing high-quality images, wherever, whenever!
- Content creation, sharing and distribution with high-speed data, 7.2 Mbit/s downlink, and 2.0 Mbit/s uplink

Ideal style for slim design

- Small three-chip solution including functionality, for stylish designs packed with features
- Low number of components enabling attractive total PCB size, even when including an external application processor for open OS solutions.
- Advanced PoP solution for soldering the memory on top of the digital baseband, resulting in effective size and cost reductions

Modem solution

- A perfect fit for modem solutions for mobile broadband services
- 7.2 Mbit/s downlink and 2.0 Mbit/s uplink gives high HSPA data performance
- USB 2.0 modem host interface

PLATFORM CONFIGURATION

The platform is suitable for feature phones, smartphones and modem devices. The U335 gives our customers maximum opportunity to develop products in diverse segments.

U335 KEY FEATURES

Access

- Cellular access
 - 3GPP rel 6
 - WCDMA flexible quad band
 - HSDPA 7.2 Mbit/s (cat 8)
 - HSUPA 2.0 Mbit/s (cat 5)
 - Rx diversity on all supported WCDMA bands
 - GRAKE2 (Type 3) advanced receiver with interference suppression
 - GPRS/EDGE flexible quad band
- WLAN
 - WLAN IEEE 802.11
 - UMA/GAN
- Connectivity
 - USB 2.0 Hi-Speed
 - Bluetooth® V2.1 + EDR
- Positioning
 - A-GPS: MO-LR, MT-LR, NI-LR, LCS (SUPL)

Multimedia

- Display/camera/video/graphics
 - WQVGA 24-bit/pixel display
 - 8-Mpixel camera
 - Built-in ISP (image signal processor)
 - Video playback: H.264, MPEG-4 VGA
 - Video camcorder: MPEG-4, VGA
 - Video codec: H.263, H.264, MPEG-4
 - Graphics: OpenGL® ES, OpenVG™, EGL™

- Audio
 - Advanced audio codecs
 - AMR-WB+
 - Audio streaming
 - Positional 3D audio
 - Stereo widening
 - Spectrum analyzer (visualization)
- Mobile TV
 - Unicast

IMS (IP multimedia subsystem)

- IMS multimedia telephony 3GPP Rel 7
- JSR-281 enabling IMS Java applications
- IMS services enabled over WLAN

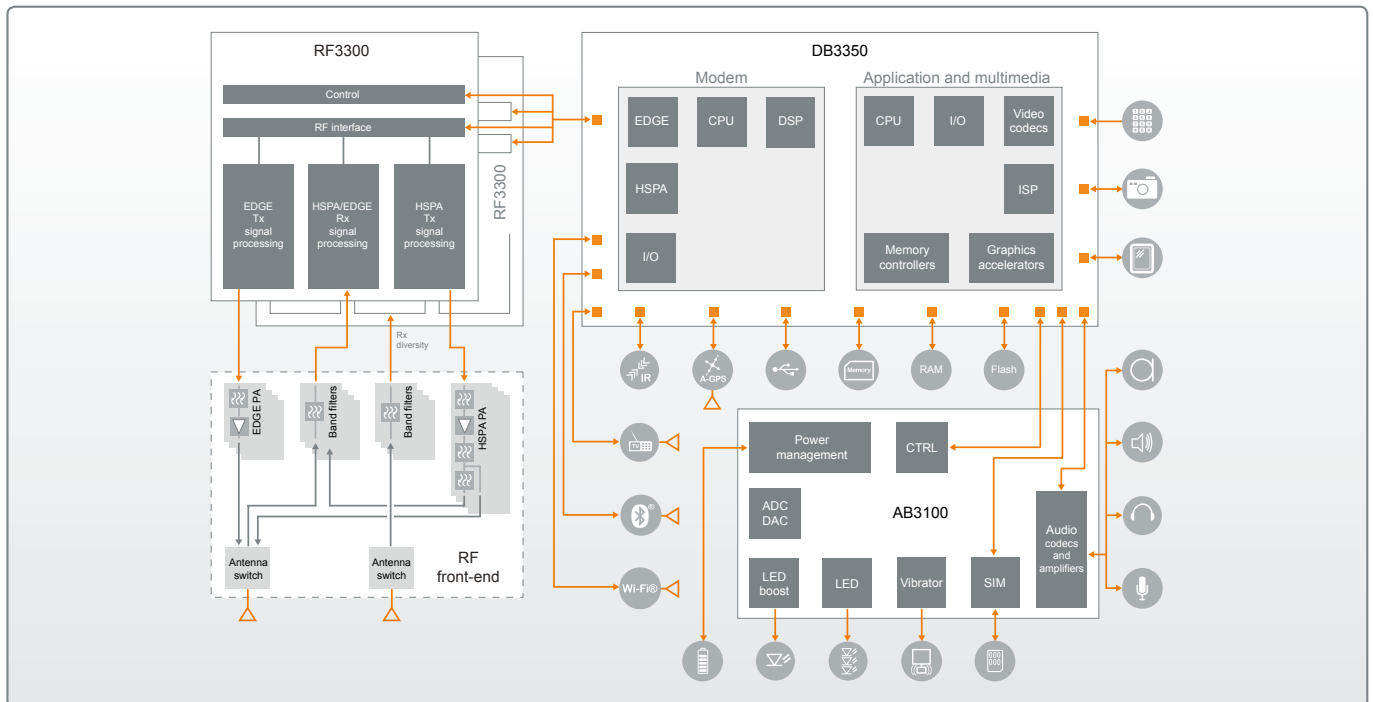
Security

- Core platform security - SIMLock, PhoneLock, secure boot, IMEI protection
- Security services - IPsec, TLS

U335 HARDWARE

- Digital baseband: DB3350, POP
- Graphics: OpenGL® ES
- Video: MPEG-4, H.264 VGA
- Image signal processor
- Analog baseband: AB3100
- Radio transceiver: RF3300

U335 SYSTEM OVERVIEW



LET'S CREATE IT

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